SAN FRANCISCO BAY AREA
RAPID TRANSIT DISTRICT

BART

CONTRACT DRAWINGS

FOR
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ISSUED FOR BID

VOLUME 2 OF 2

CONTRACT NO. 05EA-110
2015

FTA PROJECT NOS. CA-95-X095-00

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

BART DOWNTOWN BERKELEY IMPROVEMENT PROJECT

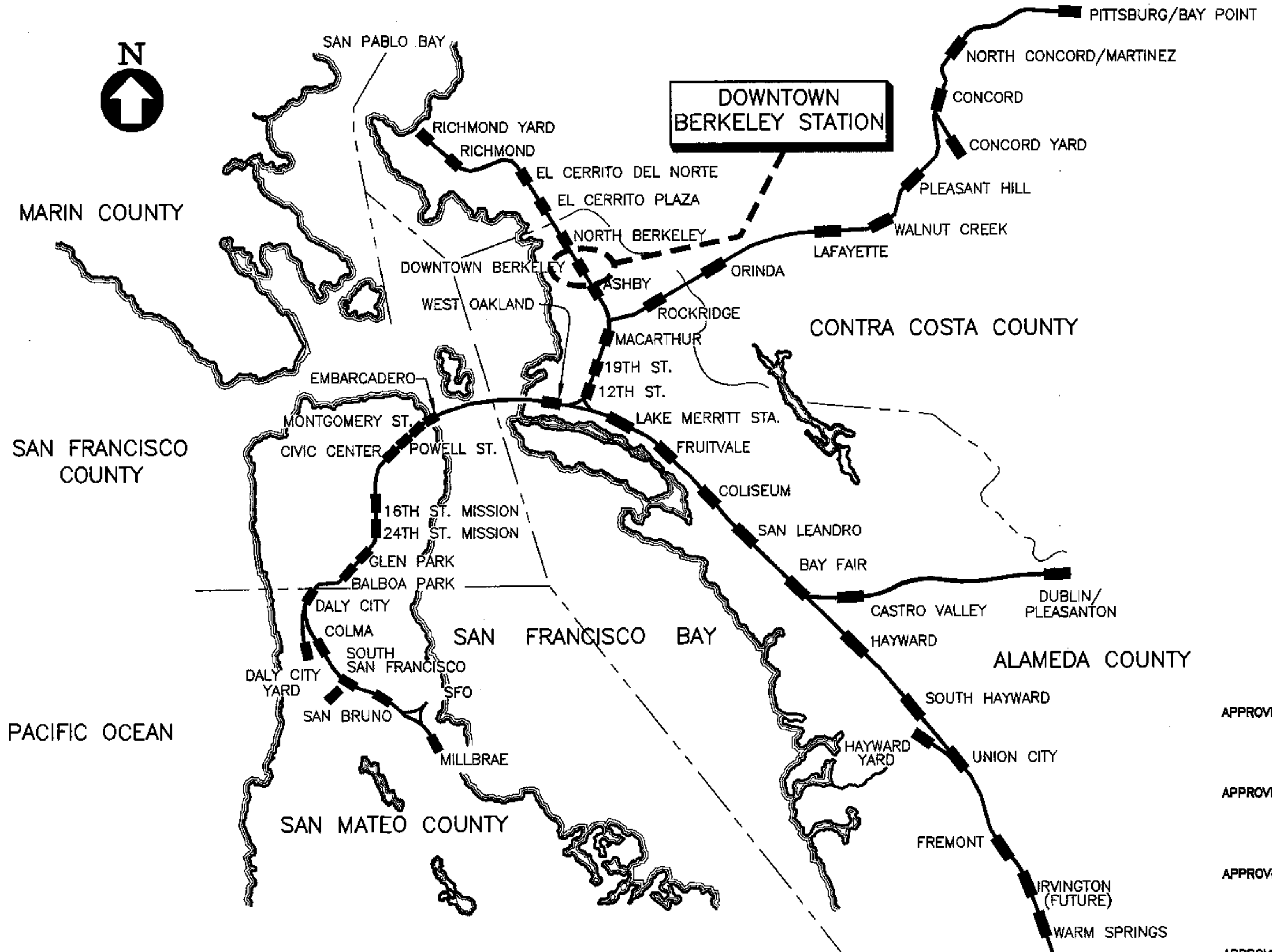
CONSTRUCTION DRAWINGS

ISSUED FOR BID
OCTOBER 15, 2015

CONTRACT NO. 05EA-110

OCTOBER 15, 2015

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT
DOWNTOWN BERKELEY PLAZA
IMPROVEMENT PROJECT



KEY PLAN

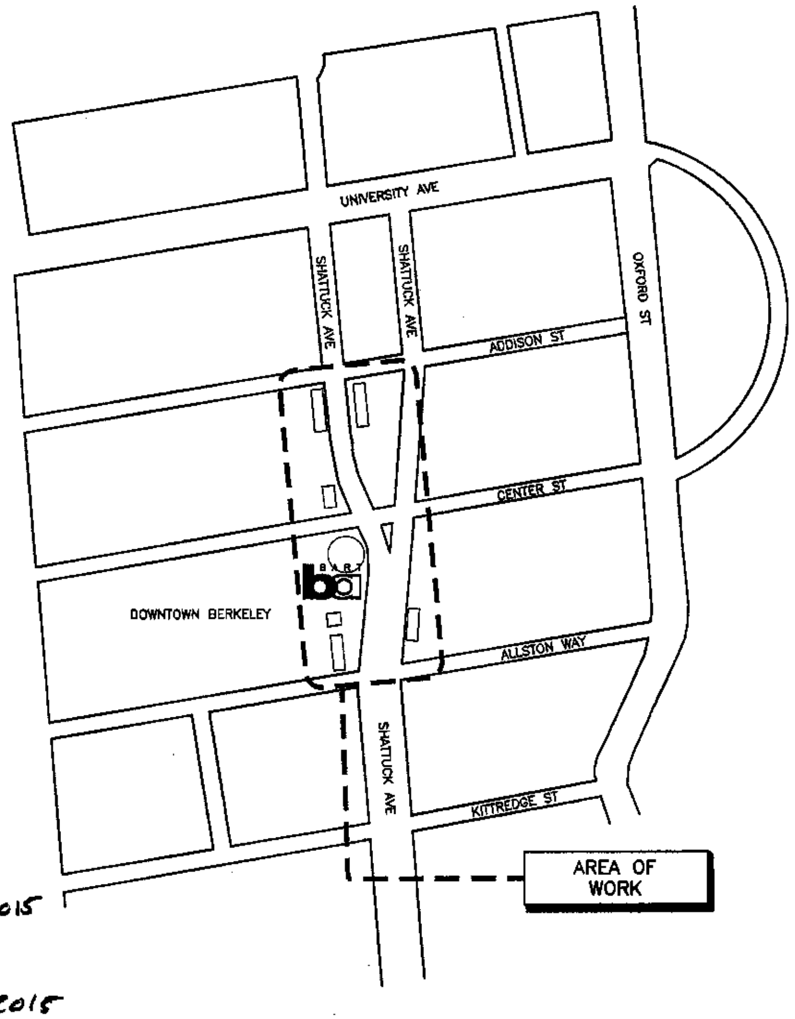
2 1 0 2 4 6 8 10 MILES
GRAPHIC SCALE

APPROVED Rot M. Pun DATE 29 Dec 2015
BART ASSISTANT GENERAL MANAGER,
PLANNING, DEVELOPMENT AND CONSTRUCTION

APPROVED DATE 12.25.2015
BART CHIEF MAINTENANCE AND ENGINEERING OFFICER,
MAINTENANCE AND ENGINEERING

APPROVED DATE 12/23/2015
BART DISTRICT ARCHITECT,
PLANNING, DEVELOPMENT AND CONSTRUCTION

APPROVED SDSmith DATE 12/23/15
PROJECT MANAGER,
PLANNING, DEVELOPMENT AND CONSTRUCTION



LOCATION MAP

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GRAPHIC SCALE

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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

BART
APPROVED SDSmith

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

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CONTRACT SHEET NO. X001
PAGE NO. 001

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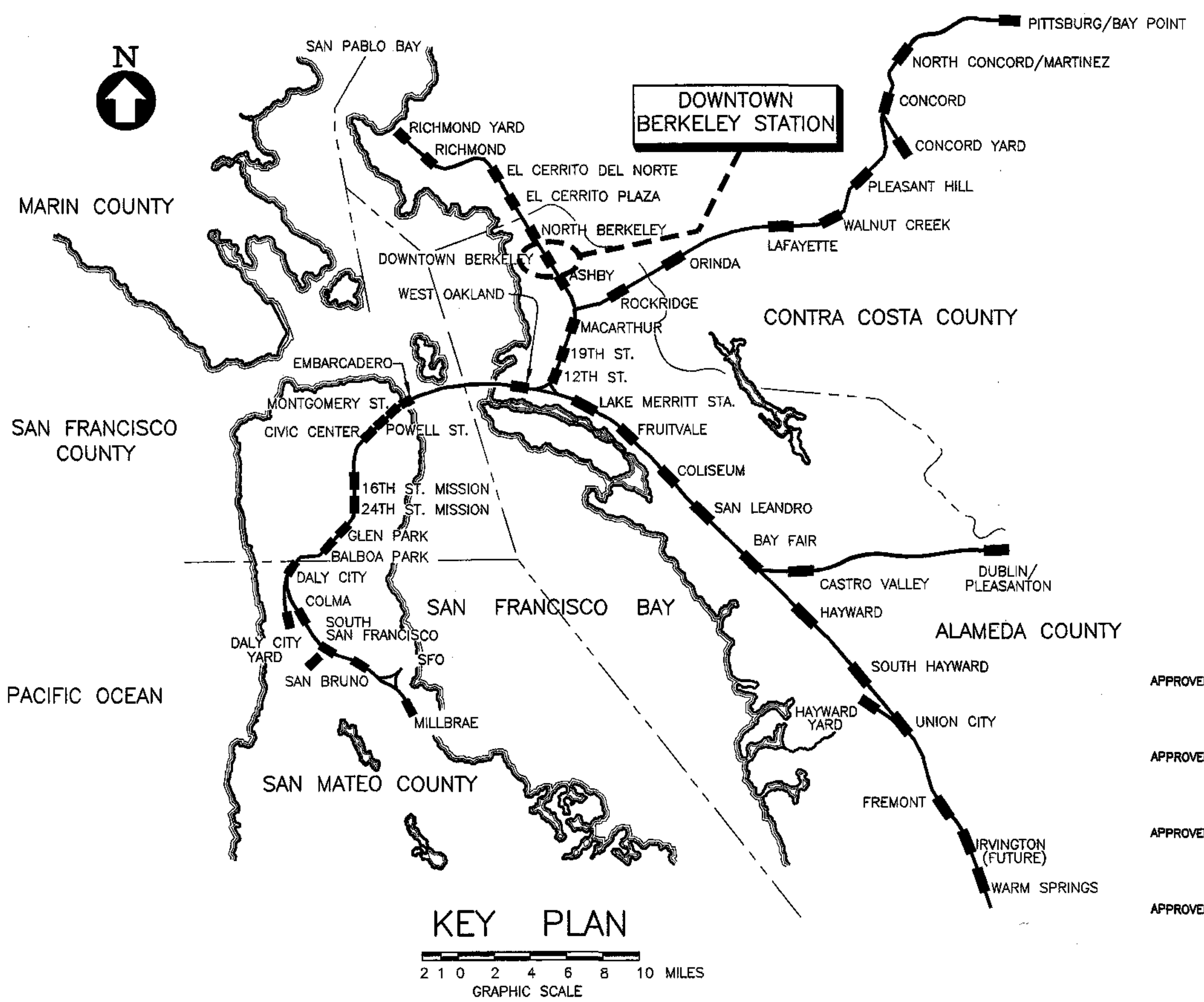

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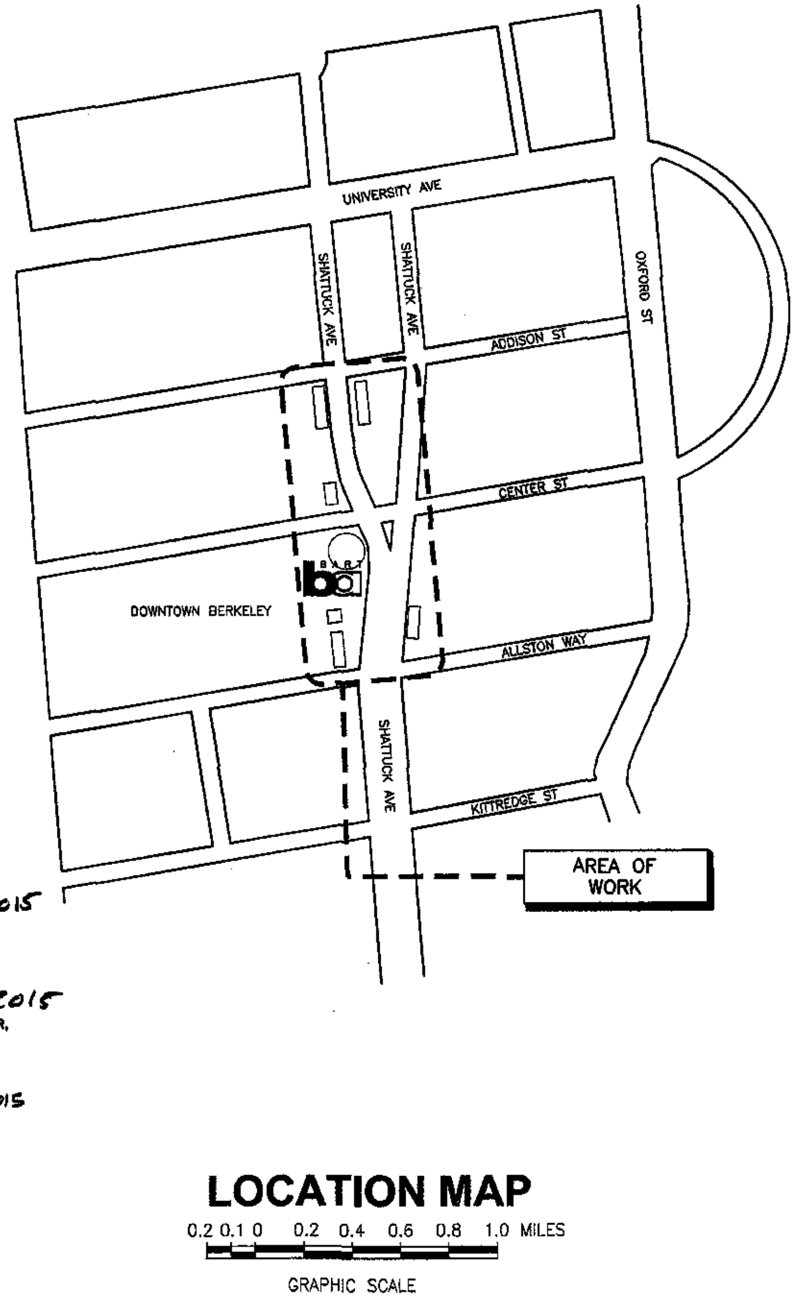

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104	A604	P	SIGNAGE AND GRAPHICS SCHEDULE SHEET 4 OF 7
105	A605	P	SIGNAGE AND GRAPHICS SCHEDULE SHEET 5 OF 7

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DESIGNED: B. ODA
DRAWN: C. ULLOA
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DATE: 20151015

LICENSED ARCHITECT
RONALD J. FINGER
REN. 12/31/2017
NO. C11001
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

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PLAZA IMPROVEMENT PROJECT

INDEX OF DRAWINGS
SHEET 1 OF 4

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110	A612	P	SIGNAGE AND GRAPHICS PLAZA LEVEL DEMOLITION PLAN SHEET 2 OF 2
111	A613	P	SIGNAGE AND GRAPHICS PLAZA LEVEL KEY PLAN
112	A614	P	SIGNAGE AND GRAPHICS PLAZA LEVEL PLAN SHEET 1 OF 6
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SHEET 2 OF 4

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217	E403	P	SIGNAGE AND GRAPHICS CONCOURSE LEVEL ELECTRICAL PLAN SHEET 3 OF 3
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220	E412	P	SIGNAGE AND GRAPHICS PLATFORM LEVEL ELECTRICAL PLAN SHEET 2 OF 4
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DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

LICENSED ARCHITECT
RONALD J. FINGER
REN. 12/31/2017
NO. C11001
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
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APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

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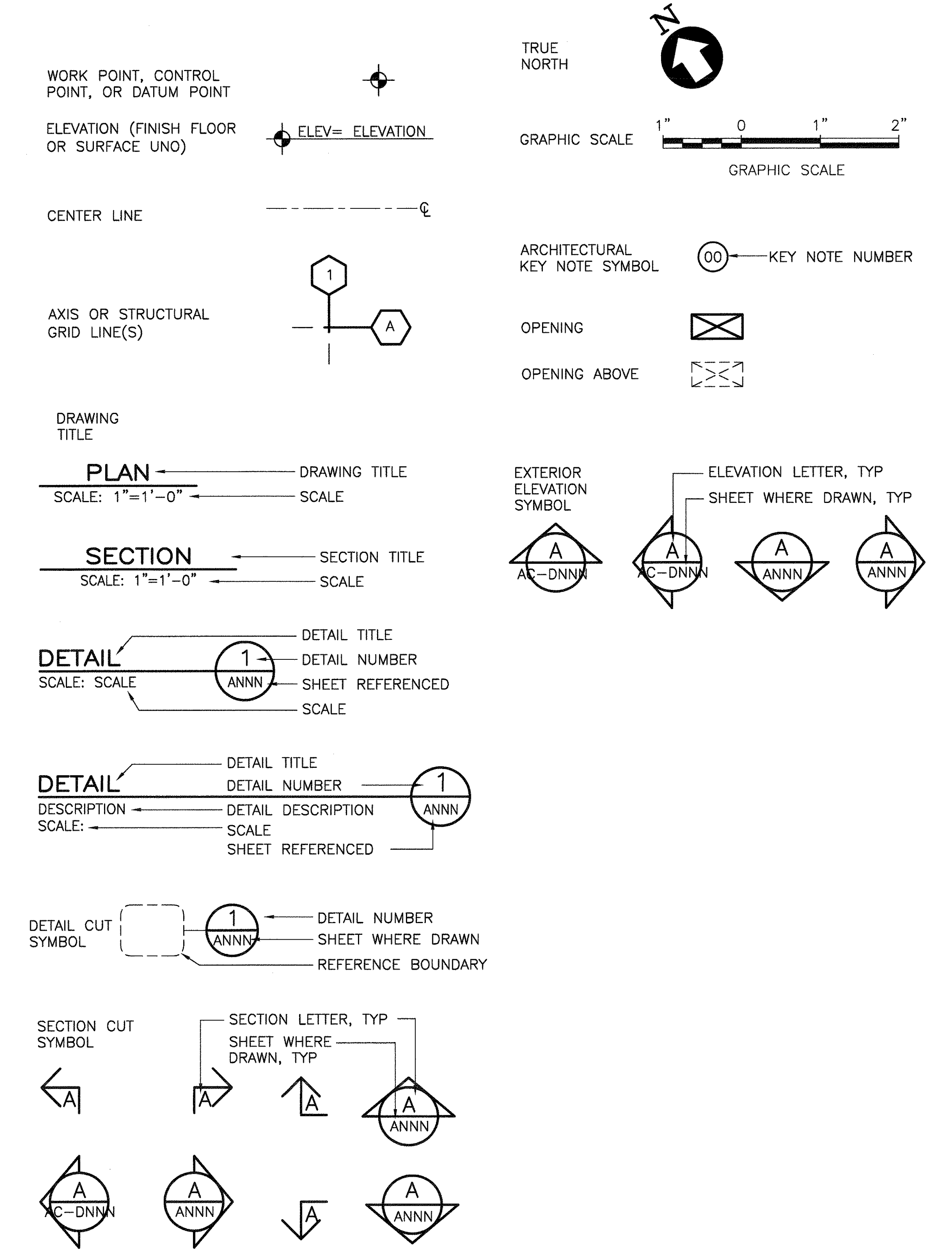
ABBREVIATIONS

ABV	ABOVE
AC	AIR CONDITIONING
AD	AREA DRAIN
ADA	AMERICAN WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISH FLOOR
AG	ABOVE GROUND
AL/ALUM	ALUMINUM
ALT	ALTERNATE
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AVE	AVENUE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLVD	BOULEVARD
BLW	BELOW
BM	BEAM
B/O	BOTTOM OF
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BS	BOTTOM OF SLOPE
BSS	BUS SIGNAL SYSTEM
BTM	BUS TRANSFER MACHINE
CAB	CABINET
CBC	CALIFORNIA BULDING CODE
CCR	CALIFORNIA CODE OF REGULATIONS
CCTV	CLOSED CIRCUIT TV CAMERA
CEM	CEMENT
CF	CUBIC FEET
CJ	CONTROL JOINT
CL/℄	CENTER LINE
CLKG	CAULKING
CLR	CLEAR
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMM	COMMUNICATION(S)
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CR	CARD READER
CT	CERAMIC TILE
CTR	CENTER
CTSK	OUNTERSUNK
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DIS	DISPENSER
DN	DOWN
DS	DOWNSPOUT
DWGS	DRAWINGS
(E)	EXISTING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR OR ELEVATION
EMER	EMERGENCY
ENCL	ENCLOSURE
ENGR	ENGINEER
EQ	EQUAL
EQPT	EQUIPMENT
ESC	ESCALATOR
EW	EACH WAY
EXH	EXHAUST
EXP	EXPANSION
EXPO	EXPOSED
EXT	EXTERIOR
FB	FLAT BAR
FDN	FOUNDATION
FG	FINISHED GRADE
FH	FLAT HEAD
FIN	FINISH
FIXT	FIXTURE
FL/FLR	FLOOR
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FT	FOOT OR FEET
FTG	FOOTING
FUT	FUTURE
GA	GAUGE
GALV	GALVANIZED
GD	GRADE
GND/GRD	GROUND OR GRADE
GSM	GALVANIZED SHEET METAL
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HSS	HOLLOW STEEL SECTION
HT	HEIGHT
ID	INSIDE DIAMETER
IN	INCHES
INFO	INFORMATION
INCL	INCLUDING
JT(S)	JOINT(S)
LA	LANDSCAPE ARCHITECT
LED	LIGHT EMITTING DIODES
LP	LOW POINT
LT	LIGHT
LTG	LIGHTING
LVL	LEVEL
MACH	MACHINE
MAX	MAXIMUM
MC	MISCELLANEOUS CHANNEL
MECH	MECHANICAL
MEM	MEMBRANE
MET	METAL
MFR('S)	MANUFACTURER(S)
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
MUL	MULLION
(N)	NEW
N	NORTH
N/A	NOT APPLICABLE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
P	PLATFORM
PART	PARTIAL
PC	PRECAST CONCRETE
PERF	PERFORATED
PL	PLATE/PROPERTY LINE
PR	PAIR
PROP	PROPERTY
PT	POINT
PTD	PAINTED
R	RISER
RA	RADIUS
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REF	REFERENCE
REINF	REINFORCED
REQ'D	REQUIRED
REV	REVISION(S)
RGB	RED/GREEN/BLUE
RN	REFERENCE NORTH
ROW	RIGHT OF WAY
RT	RIGHT
RWL	RAIN WATER LEADER
S	SOUTH OR SLOPE
SCHED	SCHEDULE
SEC	SECTION
SF	SQUARE FEET
SED	SEE ELECTRICAL DRAWINGS
SHT	SHEET
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMS	SHEET METAL SCREW
SPEC	SPECIFICATION
SPKR	SPEAKER
SQ	SQUARE
ST STL	STAINLESS STEEL
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUPP	SUPPLY
SUSP	SUSPENDED
SYM	SYMMETRICAL
TBD	TO BE DETERMINED
TD	TRENCH DRAIN
TEL	TELEPHONE
THK	THICK/ THICKNESS
T/O	TOP OF
TOS	TOP OF STEEL
TVM(S)	TICKET VENDING MACHINE(S)
TYP	TYPICAL
UG	UNDERGROUND
UNF	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
VMS	VARIABLE MESSAGING SYSTEM
W	WEST
W/	WITH
WGT	WEIGHT
WO	WHERE OCCURS
W/O	WITHOUT
WP	WORKING POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

ARCHITECTURAL SYMBOLS



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BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ABBREVIATIONS AND ARCHITECTURAL SYMBOLS

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GENERAL NOTES

1. "TYPICAL" OR "TYP" MEANS THAT THE CONDITION IS REPRESENTATIVE FOR SIMILAR CONDITIONS THROUGHOUT, UNLESS OTHERWISE NOTED. DETAILS ARE USUALLY KEYED AND NOTED "TYP" ONLY ONCE, WHEN THEY FIRST OCCUR
2. "SIMILAR" OR "SIM" MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED. VERIFY DIMENSIONS AND ORIENTATION ON PLANS AND ELEVATIONS
3. ALL WORK NOTED "BY OTHER" OR "NIC" WILL BE PROVIDED BY BART OR UNDER SEPARATE CONTRACT. INCLUDE SCHEDULE REQUIREMENTS FOR THIS "OTHER" WORK IN CONSTRUCTION PROGRESS SCHEDULE AND COORDINATE AS REQUIRED TO ASSURE ORDERLY SEQUENCE OF INSTALLATION
4. WORK SHALL COMPLY WITH ADA, 2013 CBC, AND TITLE 24, PART 2, CALIFORNIA CODE OF REGULATIONS (CCR) ACCESSIBILITY REQUIREMENTS
5. THIS PROJECT WAS DESIGNED PER BART FACILITIES STANDARDS RELEASE – R3.0 ISSUED JANUARY 2013
6. ANTI GRAFFITI COATINGS SHALL BE APPLIED TO ALL PAINTED STEEL MEMBERS AND SHALL INCLUDE METAL PANELS ON THE ENTRANCE ENCLOSURES AND VENT STRUCTURE.
7. ANTI GRAFFITI MULTI–LAYER PROTECTIVE FILM SHALL BE APPLIED TO ALL VERTICAL GLASS SURFACES.

DEMOLITION NOTES

CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ALL UTILITIES DETERMINED IN COURSE OF CONSTRUCTION AS BEING NECESSARY TO BE REMOVED WHICH HAVE NOT OTHERWISE BEEN NOTED FOR REMOVAL IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL REMOVE SUCH UTILITIES ONLY AFTER CONSULTATION WITH THE ENGINEER. WHETHER PREDETERMINED IN THE CONSTRUCTION DOCUMENTS OR DETERMINED LATER IN FIELD, DISCONNECT, CUT BACK TO SOURCE, AND CAP ALL UTILITY SERVICES REMOVED. SEAL ALL PENETRATIONS CREATED BY REMOVAL OF UTILITIES TO MATCH ADJACENT CONSTRUCTION AND FINISHES.

MASTER KEY NOTES

① (N) HEADHOUSE
② REMOVE (E) LIGHT FIXTURE
③ REMOVE (E) HANDRAIL AND BRACKETS. PATCH HOLES TO MATCH ADJACENT BRICK COLOR
④ (E) HEADPHONES TO BE REMOVED
⑤ DEMOLISH (E) PARAPET WALL
⑥ DEMOLISH (E) COVED BASE
⑦ (E) PARAPET WALL TO REMAIN
⑧ (E) STAIRS TO REMAIN
⑨ (E) HANDRAIL TO REMAIN
⑩ (E) ESCALATOR TO REMAIN
⑪ (E) ESCALATOR MACHINE ROOM
⑫ (E) ELEVATOR
⑬ (E) VENT SHAFT
⑭ (E) LIGHT FIXTURE TO REMAIN
⑮ GALVANIZED PAINTED WIRE MESH
⑯ TAPERED HSS BUILT–UP SECTION
⑰ HSS COLUMN PAINTED, SSD
⑱ HSS 6X3 PAINTED
⑲ HSS 6X10 PAINTED
⑳ HSS 8X10 PAINTED
㉑ HSS 8X12 PAINTED
㉒ NOT USED
㉓ HSS 14X14 PAINTED
㉔ HSS 12X12 PAINTED
㉕ HSS 14X10 PAINTED
㉖ GLASS AND (E) FLOOR TRANSITION LINE
㉗ MC 12X STAIR STRINGER PAINTED
㉘ OVERHEAD COILING GRILLE
㉙ COILING GRILLE GUIDE
㉚ LINE OF COILING GRILLE ENCLOSURE ABOVE
㉛ 9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFFITI SHEET BOTH SIDES
㉜ SURFACE MOUNTED 1/2" THICK CAST ALUM LETTERS, AND CAST BART LOGO
㉝ 9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
㉞ SLAB INFILL
㉟ (N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
㊱ METAL PLATE OVER (E) EEC BOX
㊲ VARIABLE MESSAGING SYSTEM. OWNER SUPPLIED, CONTRACTOR INSTALLED
㊳ CONCEALED CONDUIT
㊴ ST STL GRILLE KEY SWITCH
㊵ SAWCUT PORTION OF (E) BIKE CHANNEL TO ACCOMMODATE STL PLATE COVER FOR THE LED LIGHT. TYP AT ENTRANCES 1, 2, 5 AND 6
㊶ PAINTED GALVANIZED STEEL GRATE
㊷ SERVICE DOOR
㊸ LEANING RAIL
㊹ MAP CASE
㊺ METAL WALL PANEL
㊻ BENCH
㊼ (N) STAIRCASE
㊽ POLYCARBONATE PLASTIC GLAZING AT ESCALATOR HANDRAIL
㊾ (E) ESCALATOR TO REMAIN
㊿ (E) GUARDRAIL TO BE REMOVED
(51) (E) ROOF/ CANOPY TO BE REMOVED
(52) (E) GLASS, STEEL FRAME, MULLIONS AND WALLS TO BE REMOVED
(53) PUSH LOCK EYEBOLT / 4 REQ'D
(54) (E) BRICK CURB TO BE REMOVED AS INDICATED
(55) PROTECTIVE BARRICADE TUNNEL WITH TEMPORARY LIGHTING. SEE SPEC SECTION 01 52 00
(56) (E) GUARDRAIL TO BE REMOVED
(57) (E) BRICK VENEER AND GROUT TO BE REMOVED AS INDICATED
(58) (E) BRICK CURB TO REMOVED AS INDICATED
(59) (E) TERRAZZO LANDING WITH SLIP RESISTANT METAL GRATING TO REMAIN
(60) TEMPERED, LAMINATED STRUCTURAL GLASS ROOF
(61) EPOXY ANCHOR, PAINTED SEE STRUC
(62) STEEL PLATE, PAINTED SEE STRUC
(63) NON–SHRINK GROUT
(64) SEALANT AND BACKER ROD
(65) STEEL ANGLE PAINTED
(66) LINEAR LED LIGHTING
(67) 1/4" THICK FORMED STEEL BENT PLATE, PAINTED
(68) TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK
(69) GLASS GUARDRAIL
(70) ST STL CAP COVER
(71) POINT SUPPORTED GLASS FITTING
(72) 1/8" ALUM PLATE PANEL
(73) BACKLIT FROSTED GLASS PANELS
(74) FLUSH MOUNTED CCTV
(75) LED DOWNLIGHT
(76) LINEAR LED LIGHT FIXTURE ALONG ENTIRE BEAM
(77) FLUSH MOUNT EXTERIOR KEY SWITCH
(78) FLUSH MOUNT INTERIOR KEY SWITCH
(79) (E) BIKE CHANNEL TO REMAIN. TYP AT ENTRANCES 1, 2, 5 AND 6
(80) DOOR CLOSER
(81) RGB LED FLOOD LIGHT
(82) WALKING DETERRENT

FMGoak2 Dec 17, 2015 - 10:58am V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A002-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

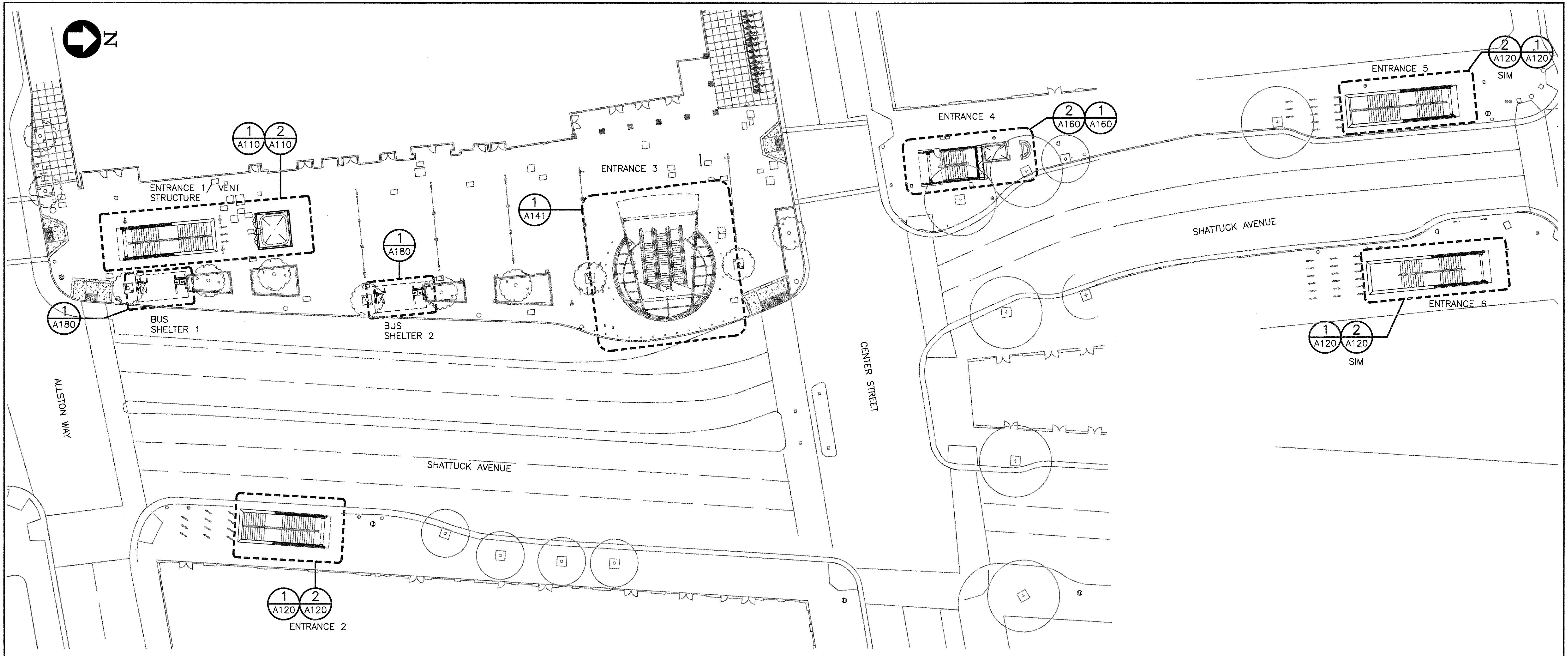
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

GENERAL NOTES AND MASTER KEY NOTES

CADD FILENAME: DB–A002–P.dwg
SIZE: D
SCALE: NO SCALE
CONTRACT NO.: **05EA-110**
REV.: **P**
CONTRACT SHEET NO.: **A002**
PAGE NO.: **068**

FMGoak2 Dec 17, 2015 - 11:00am V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A050-P.dwg

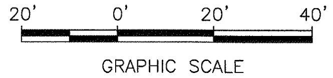


OVERALL SITE PLAN

SCALE:1"=20'-0"

NOTE:

REFER TO CIVIL, UTILITY, LANDSCAPE, AND ELECTRICAL DRAWINGS FOR OTHER SITE RELATED WORK, TYP



GRAPHIC SCALE

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
B. ODA
DRAWN:
C. ULLOA
CHECKED:
C. GUADAGNE
APPROVED:
R. FINGER
DATE:
20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
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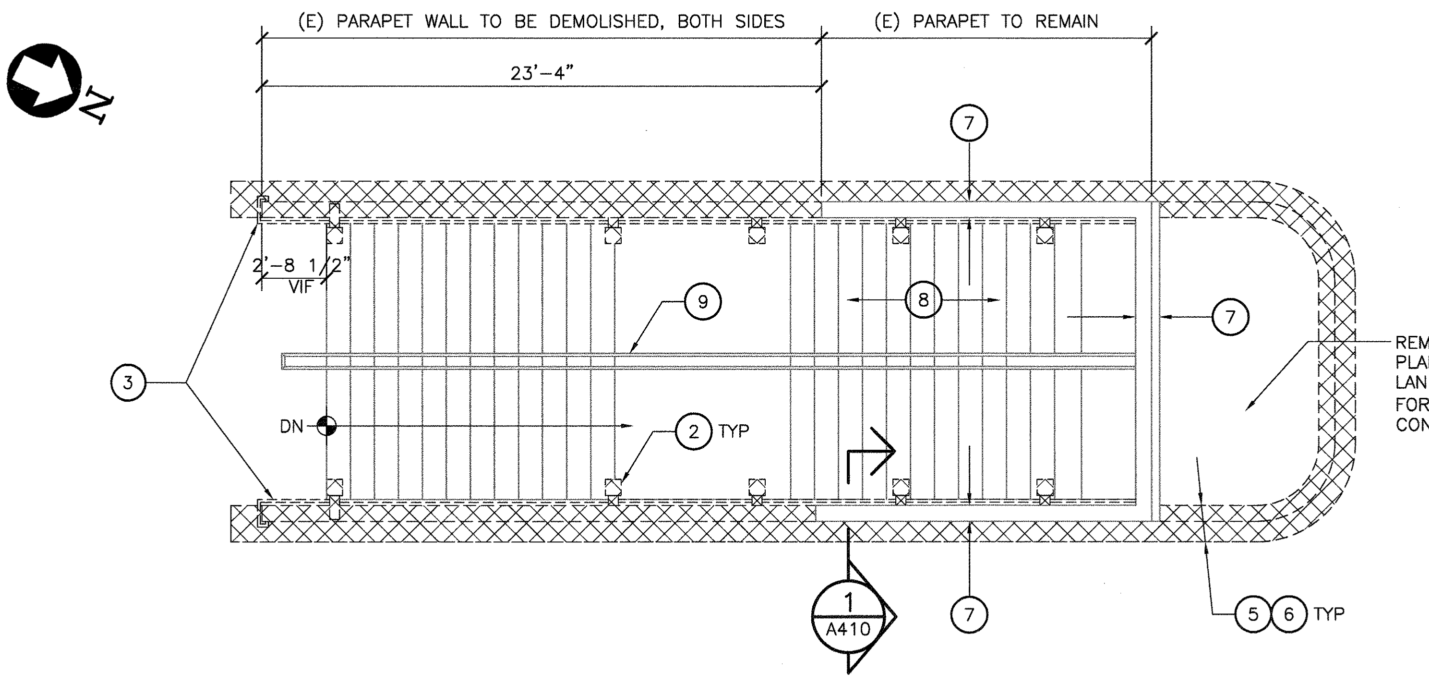
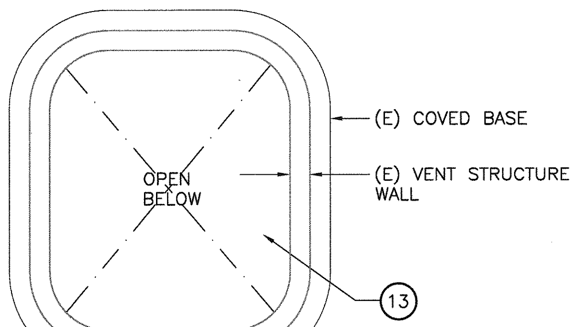
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

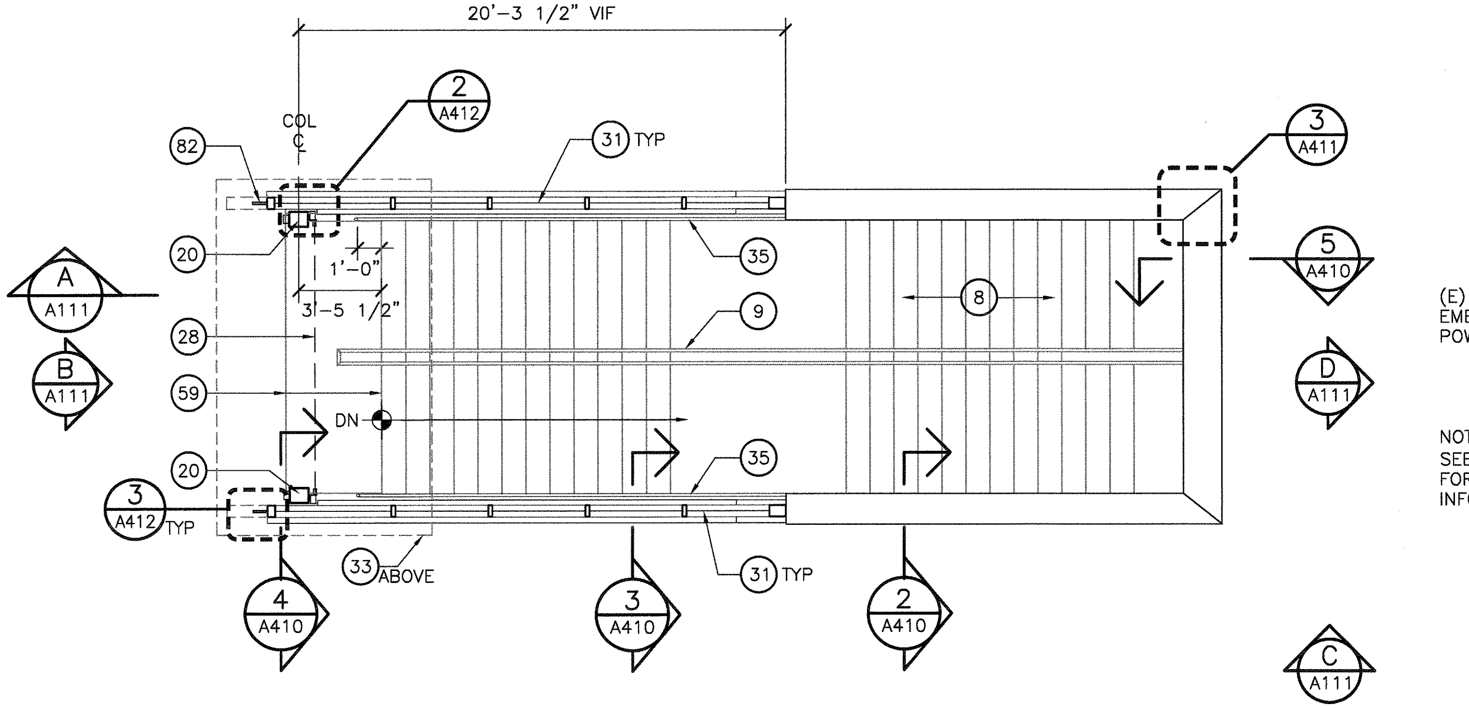
OVERALL SITE PLAN

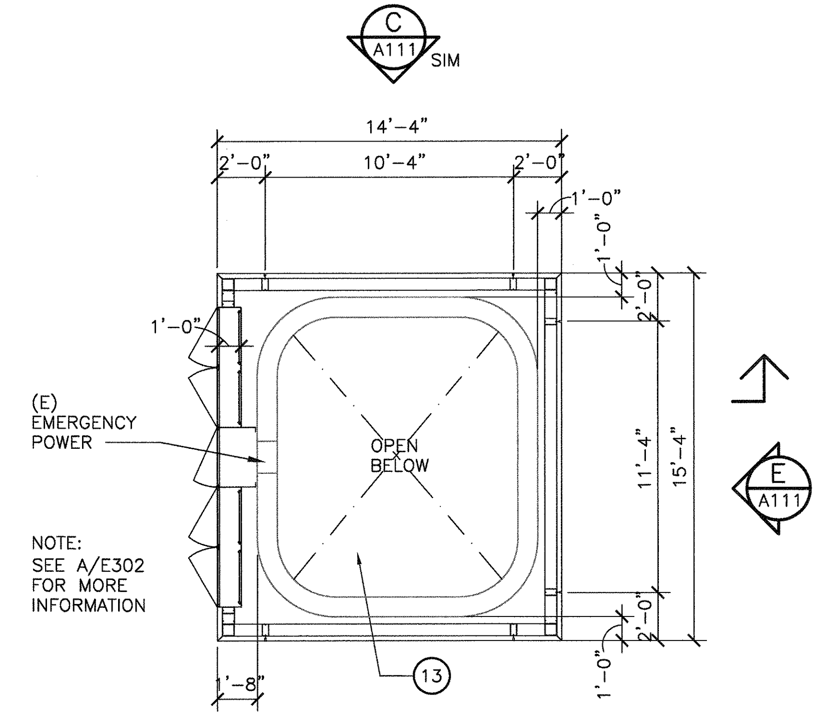
CADD FILENAME
DB-A050-P.dwg
SIZE: D
SCALE 1"=20'-0"
CONTRACT NO. **05EA-110**
REV. **P**
CONTRACT SHEET NO. **A050**
PAGE NO. **069**


(E) PARAPET WALL TO BE DEMOLISHED, BOTH SIDES
(E) PARAPET TO REMAIN
23'-4"
N
7
2'-8 1/2" VIF
9
8
7
REMOVE (E) PLANTER, SEE LANDSCAPE DWGS FOR (N) PAVER CONDITION
3
DN
2 TYP
1
A410
7
5 6 TYP



DEMOLITION PLAN 1 A110 A050
SCALE: 1/4" = 1'-0"





FLOOR PLAN 2 A110 A050
SCALE: 1/4" = 1'-0"

NOTE:

REFER TO CIVIL, UTILITY, LANDSCAPE, AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

- ② REMOVE (E) LIGHT FIXTURE
- ③ REMOVE (E) HANDRAIL AND BRACKETS. PATCH HOLES TO MATCH ADJACENT BRICK COLOR
- ⑤ DEMOLISH (E) PARAPET WALL
- ⑥ DEMOLISH (E) COVED BASE
- ⑦ (E) PARAPET WALL TO REMAIN
- ⑧ (E) STAIRS
- ⑨ (E) HANDRAIL TO REMAIN
- ⑬ (E) VENT SHAFT
- ⑳ HSS 8X10 PAINTED
- ㉘ OVERHEAD COILING GRILLE
- ㉛ 9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFITTI SHEET BOTH SIDES
- ㉝ 9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS
- ㉟ (N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
- (59) (E) TERRAZZO LANDING WITH SLIP RESISTANT METAL GRATING
- (82) WALKING DETERRENT

LEGEND:

▨ (E) ITEMS TO BE DEMOLISHED/ REMOVED

GRAPHIC SCALE

FMGoak2 Dec 17, 2015 - 11:00am V:\acaddata\150701 BERKELEY PLAZA\CONST DOCS\DWG\DB-A110-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
B. ODA
DRAWN:
C. ULLOA
CHECKED:
C. GUADAGNE
APPROVED:
R. FINGER
DATE:
20151015

LICENSED ARCHITECT
RONALD J. FINGER
REN. 12/31/2017
NO. C11001
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

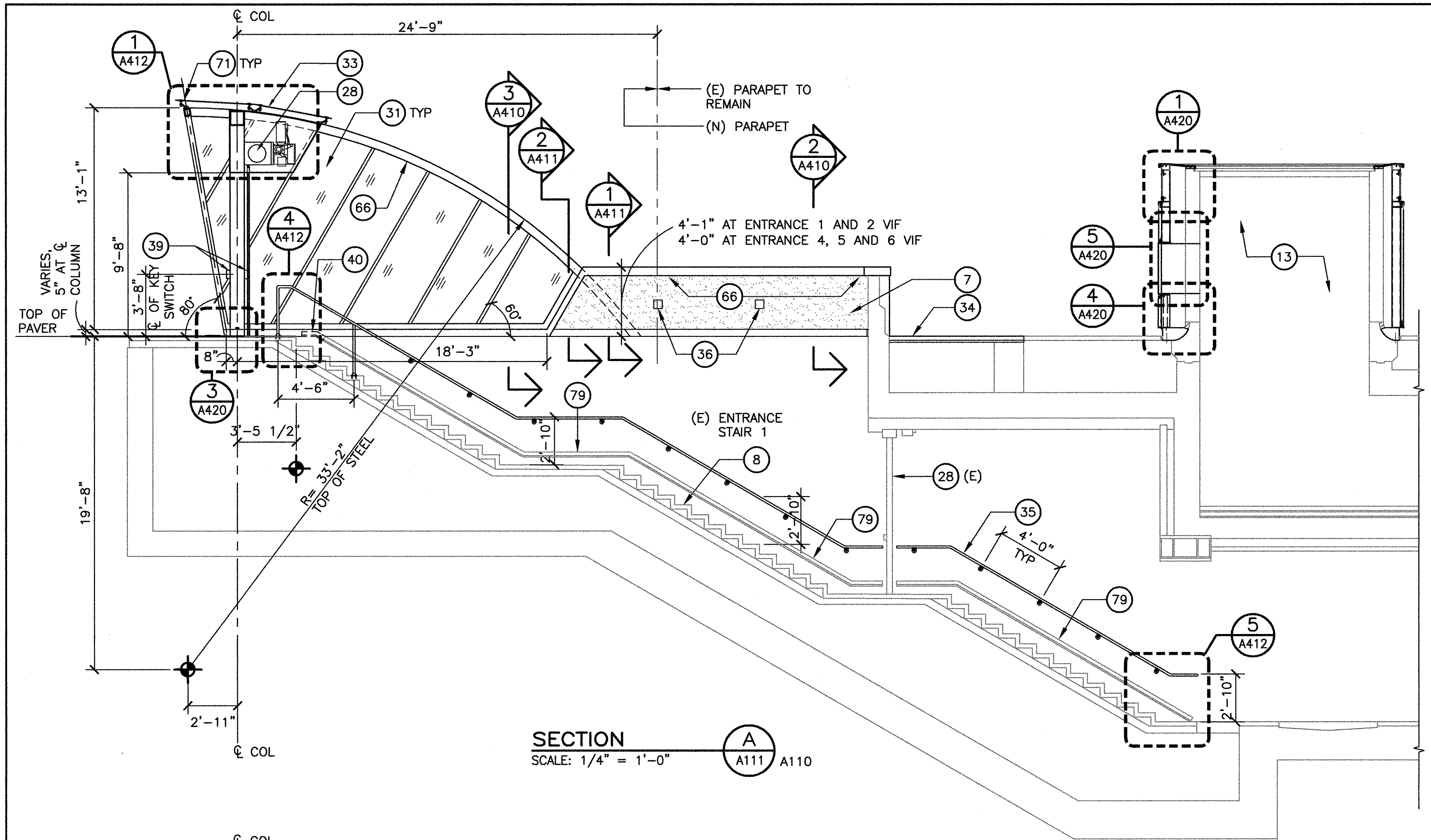
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

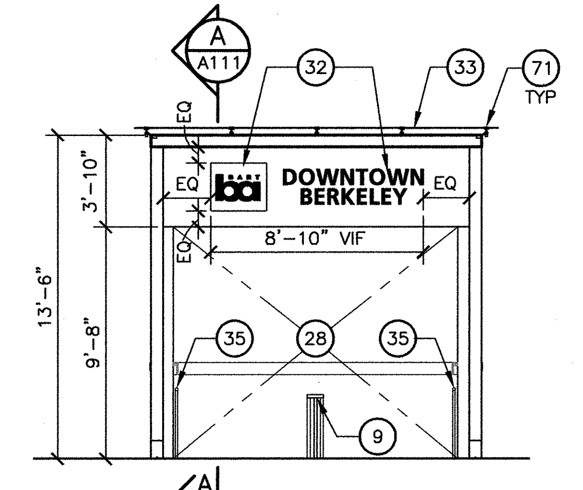
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 1/VENT STRUCTURE
DEMOLITION PLAN AND FLOOR PLAN

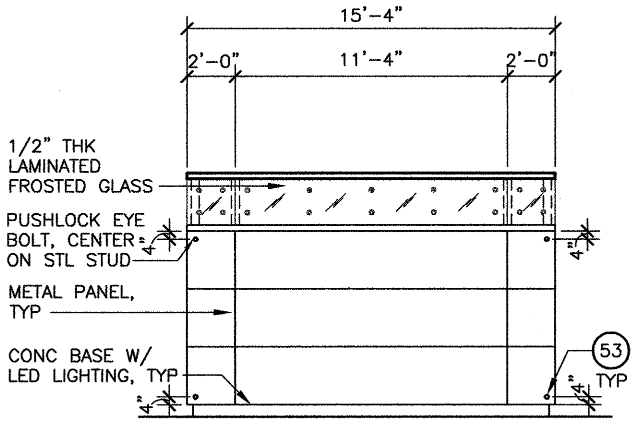
CADD FILENAME DB-A110-P.dwg
SIZE: D
SCALE 1/4"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A110
PAGE NO. 070



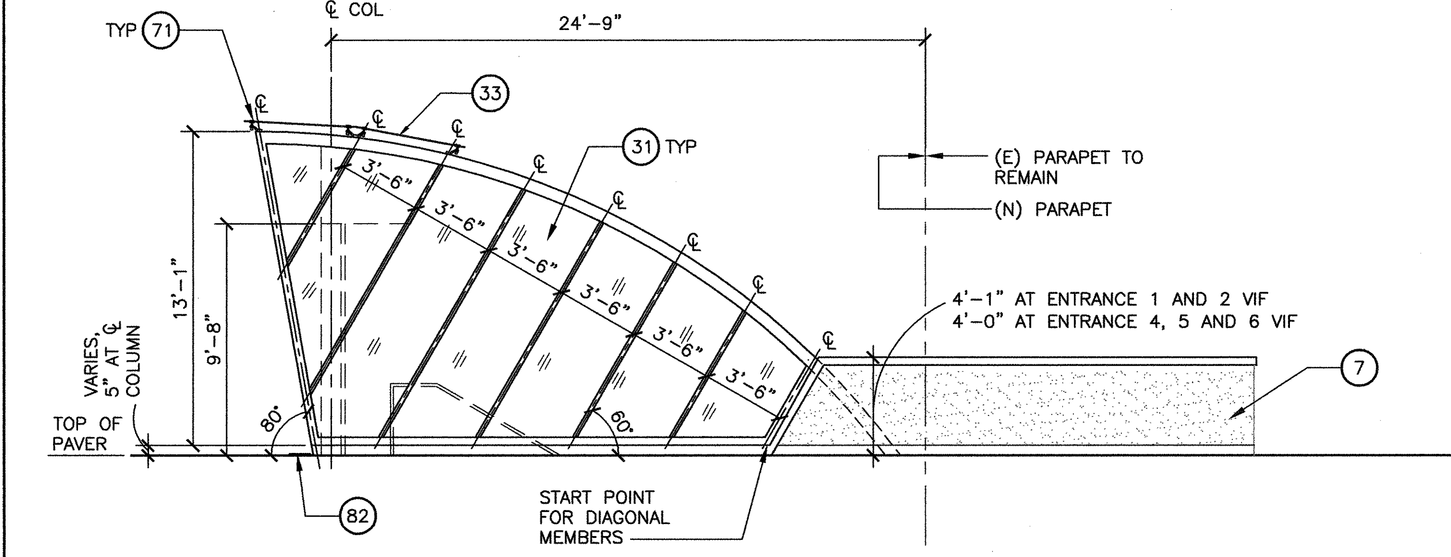
SECTION A A111 A110
SCALE: 1/4" = 1'–0"



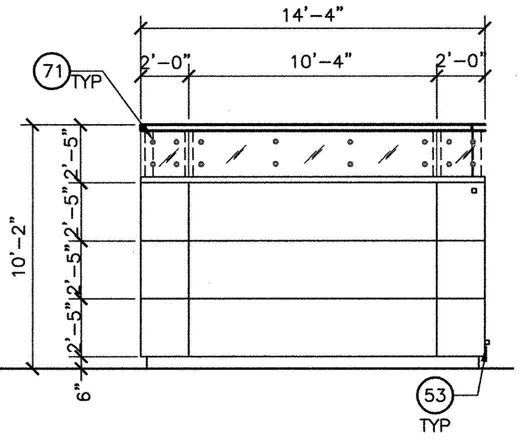
ELEVATION B A111 A110
SCALE: 1/4" = 1'–0"

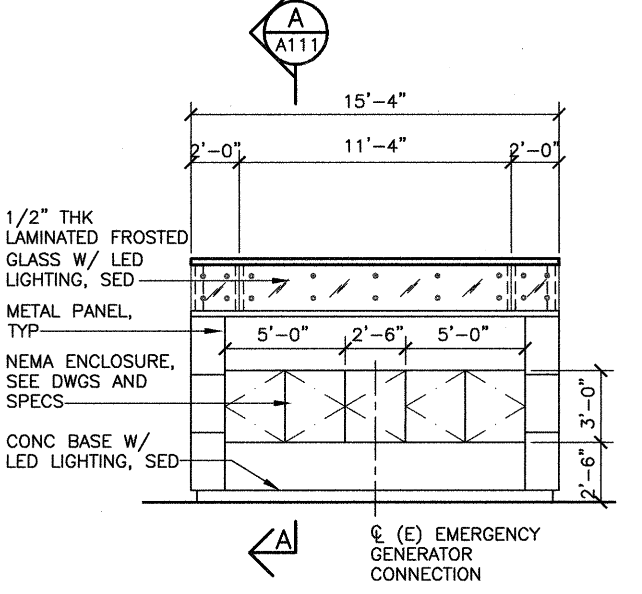

15'–4"
2'–0"
11'–4"
2'–0"
1/2" THK LAMINATED FROSTED GLASS
PUSHLOCK EYE BOLT, CENTER ON STL STUD
4"
METAL PANEL, TYP
CONC BASE W/ LED LIGHTING, TYP
4"
4"
53 TYP

ELEVATION E A111
SCALE: 1/4" = 1'–0"



ELEVATION C A111 A110
SCALE: 1/4" = 1'–0"




A A111
15'–4"
2'–0"
11'–4"
2'–0"
1/2" THK LAMINATED FROSTED GLASS W/ LED LIGHTING, SED
METAL PANEL, TYP
5'–0"
2'–6"
5'–0"
NEMA ENCLOSURE, SEE DWGS AND SPECS
3'–0"
CONC BASE W/ LED LIGHTING, SED
2'–6"
A
℄ (E) EMERGENCY GENERATOR CONNECTION

ELEVATION D A111 A110
SCALE: 1/4" = 1'–0"

NOTES:

1. REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION
2. FOR ROOF PLAN, SEE 3/A160 SIM

KEY NOTES:

7	(E) PARAPET WALL TO REMAIN
8	(E) STAIRS
9	(E) HANDRAIL TO REMAIN
13	VENT SHAFT
28	OVERHEAD COILING GRILLE
31	9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFITTI SHEET BOTH SIDES
32	SURFACE MOUNTED 1/2" THICK CAST ALUM LETTERS, AND CAST BART LOGO
33	9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS
34	SLAB INFILL
35	(N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
36	METAL PLATE OVER (E) ELEC BOX
39	ST STL GRILLE KEY SWITCH
40	MODIFY PORTION OF (E) BIKE CHANNEL TO ACCOMMODATE STL PLATE COVER FOR THE EXTERIOR LED LIGHT. TYP AT ENTRANCES 1, 2, 5 AND 6
53	PUSH LOCK EYEBOLT/4 REQ'D.
66	LINEAR LED LIGHTING
71	POINT SUPPORTED GLASS FITTING
79	(E) BIKE CHANNEL TO REMAIN. TYP AT ENTRANCES 1, 2, 5 AND 6
82	WALKING DETERRENT

4' 0' 4' 8'
GRAPHIC SCALE

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 1
SECTION AND ELEVATIONS

CADD FILENAME: DB-A111-P.dwg
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A111
PAGE NO. 071

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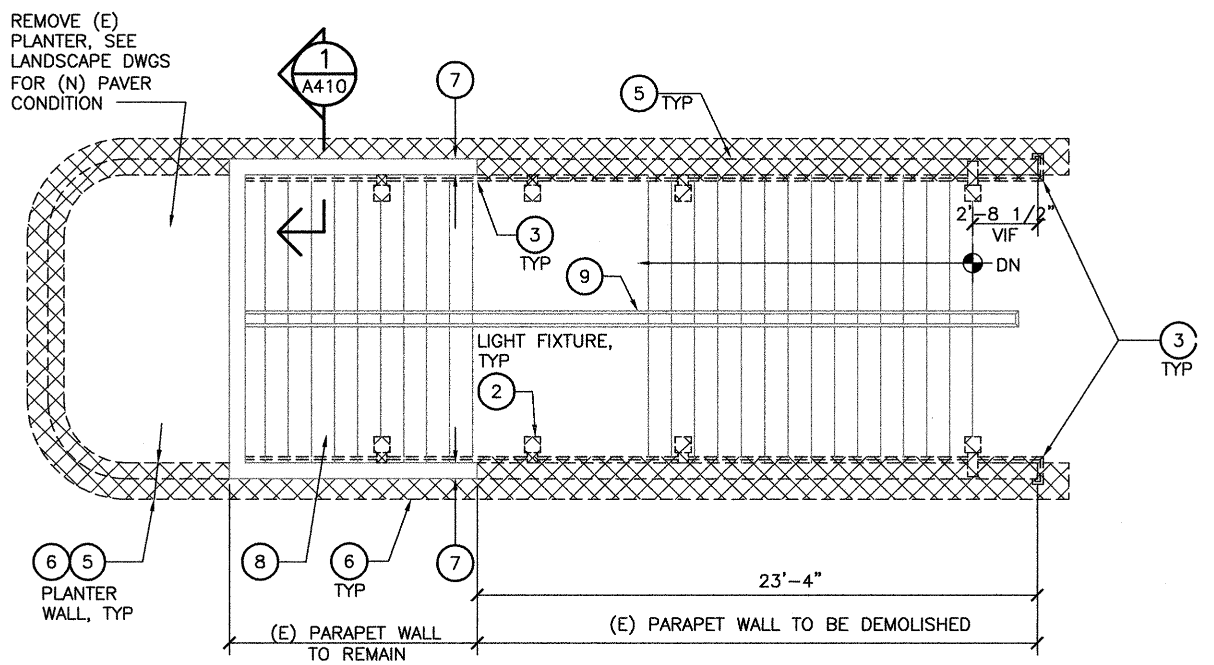
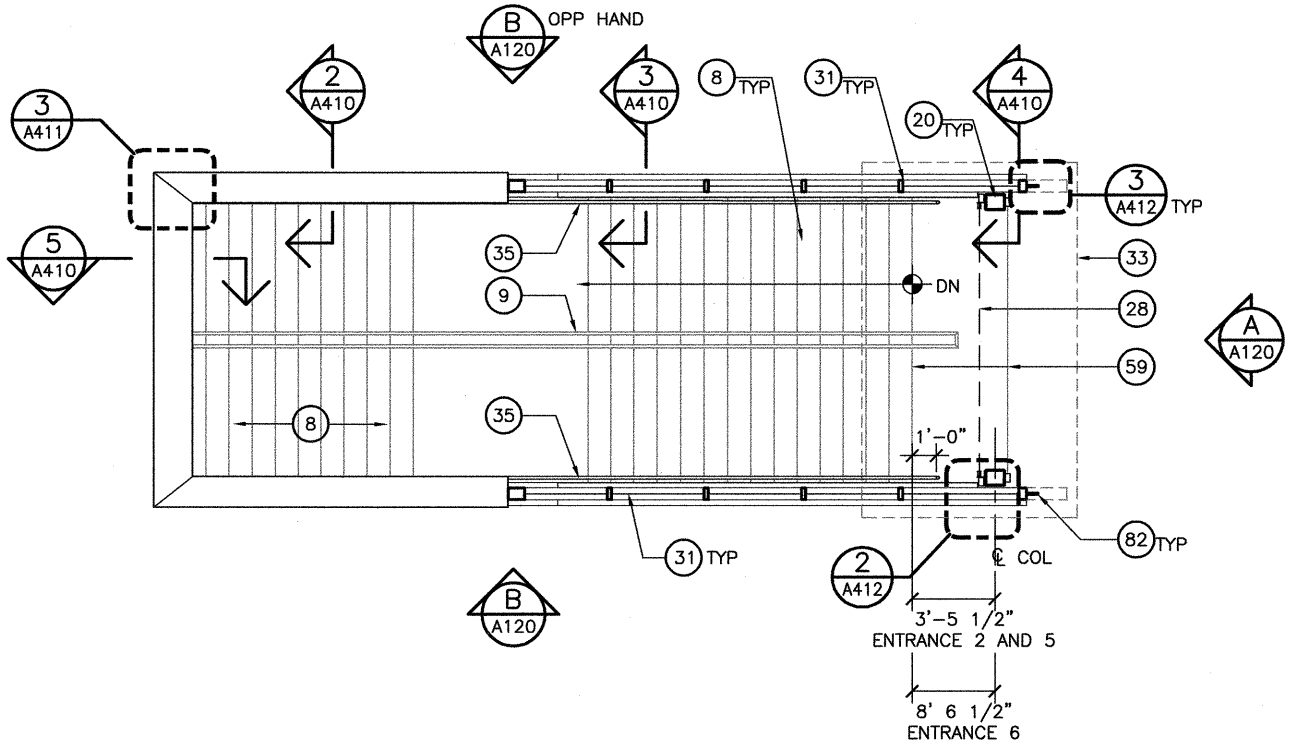
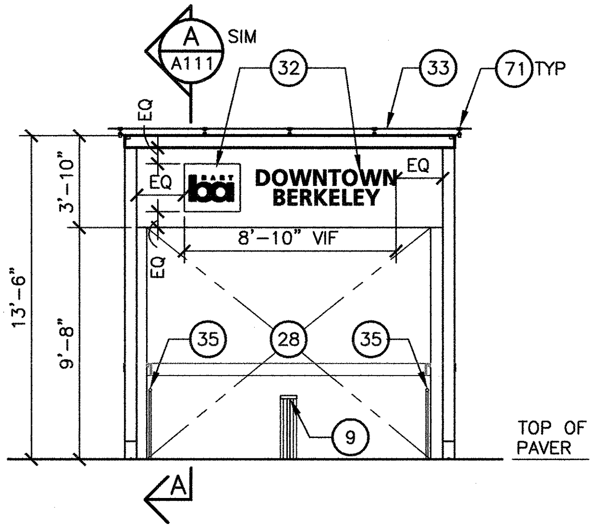

REMOVE (E) PLANTER, SEE LANDSCAPE DWGS FOR (N) PAVER CONDITION
1 A410
7
5 TYP
3 TYP
2'-8 1/2" VIF
9
DN
LIGHT FIXTURE, TYP
2
3 TYP
6 5 PLANTER WALL, TYP
8
6 TYP
7
23'-4"
(E) PARAPET WALL TO REMAIN
(E) PARAPET WALL TO BE DEMOLISHED

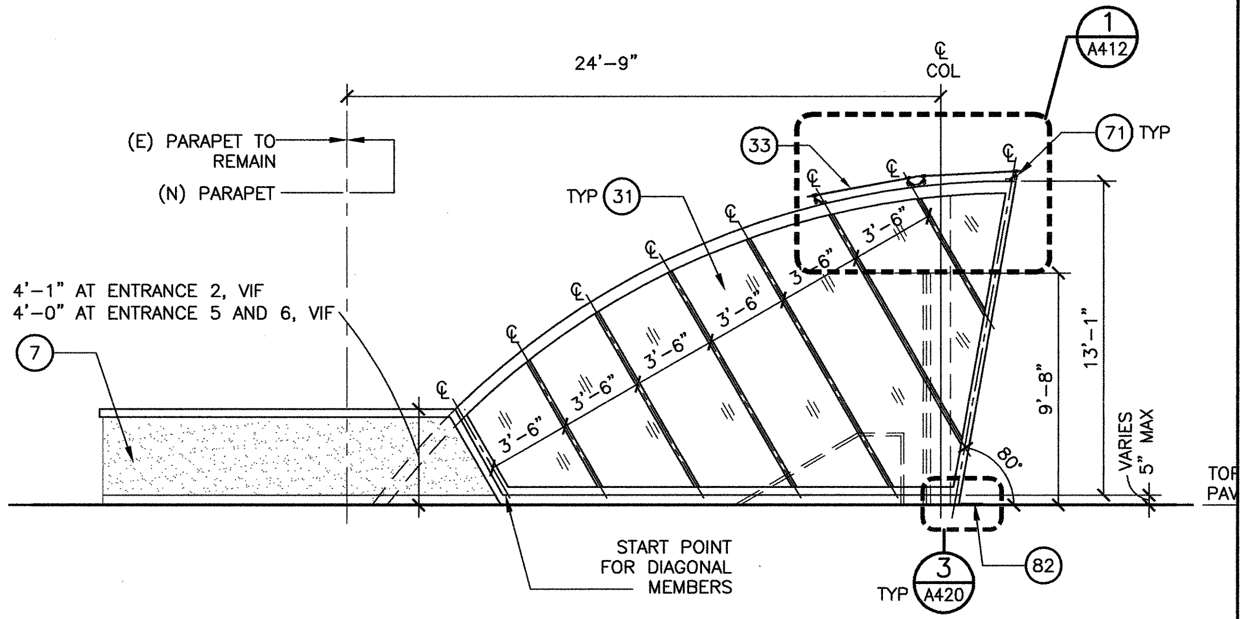
DEMOLITION PLAN ① A120 A050
SCALE: 1/4" = 1'-0"



FLOOR PLAN ② A120 A050
SCALE: 1/4" = 1'-0"



ELEVATION Ⓐ A120
SCALE: 1/4" = 1'-0"



ELEVATION Ⓑ A120
SCALE: 1/4" = 1'-0"

NOTES:

1. REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION
2. REFER TO SECTION A/A111 FOR ADDITIONAL TYPICAL DIMENSIONS
3. FOR ROOF PLAN, SEE 3/A160 SIM

KEY NOTES:

②	REMOVE (E) LIGHT FIXTURE
③	REMOVE (E) HANDRAIL AND BRACKETS. PATCH HOLES TO MATCH ADJACENT BRICK COLOR
⑤	DEMOLISH (E) PARAPET WALL
⑥	DEMOLISH (E) COVED BASE
⑦	(E) PARAPET WALL TO REMAIN
⑧	(E) STAIRS
⑨	(E) HANDRAIL TO REMAIN
⑮	GALVANIZED PAINTED WIRE MESH
⑳	HSS 8X10 PAINTED
㉘	OVERHEAD COILING GRILLE
㉛	9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFITTI SHEET BOTH SIDES
㉜	SURFACE MOUNTED 1/2" THICK CAST ALUM LETTERS AND CAST BART LOGO
㉝	9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
㉟	(N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
(59)	(E) TERRAZZO LANDING WITH SLIP RESISTANT METAL GRATING
(71)	POINT SUPPORTED GLASS FITTING
(82)	WALKING DETERRENT

LEGEND:

▨	(E) ITEMS TO BE DEMOLISHED/ REMOVED

GRAPHIC SCALE

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 2, 5 & 6
PLANS AND ELEVATIONS

CADD FILENAME DB-A120-P.dwg
SIZE: D
SCALE 1/4"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A120
PAGE NO. 072

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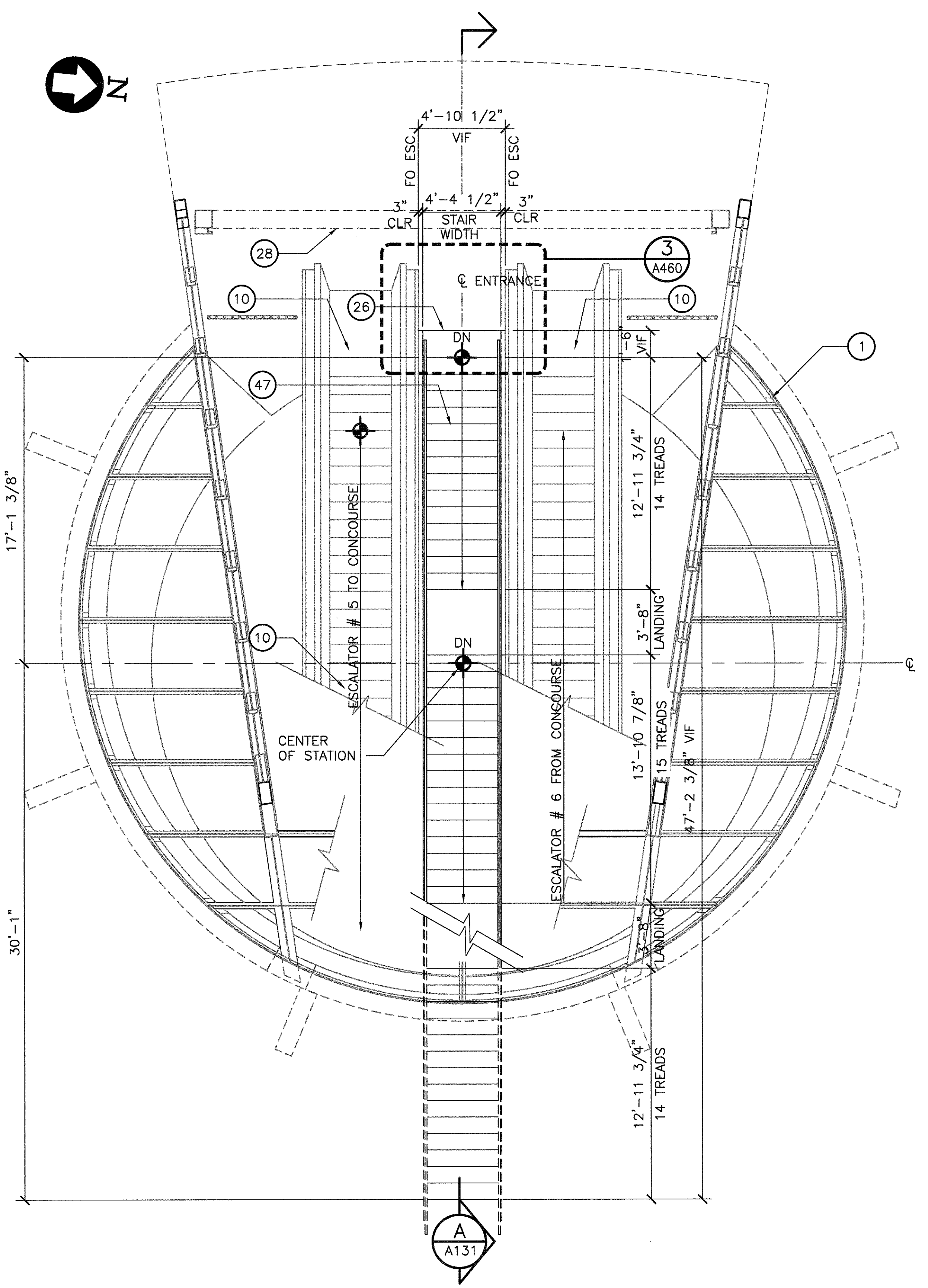
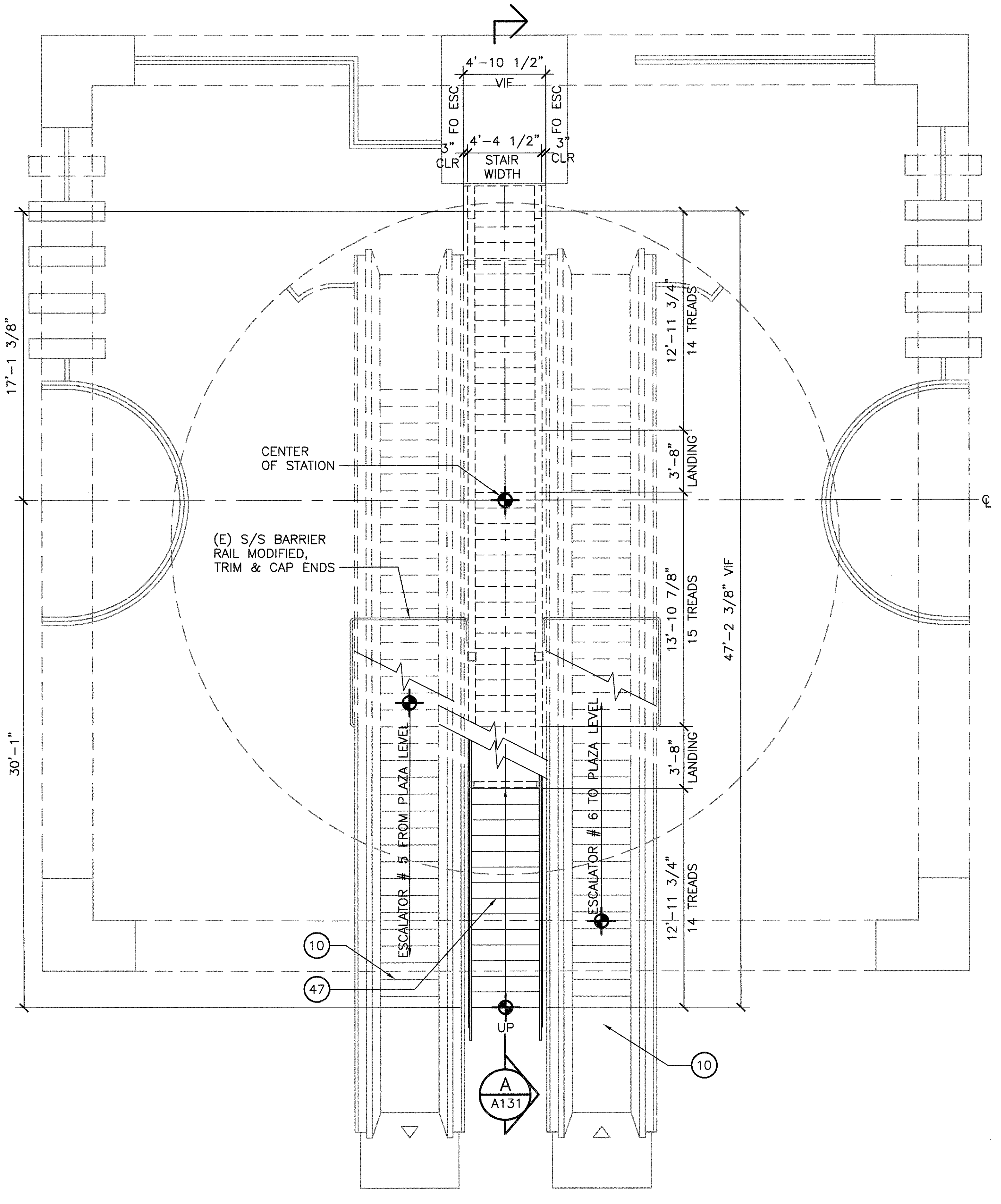


FLOOR PLAN AT PLAZA LEVEL

1 A130

SCALE: 1/4"=1'-0"



FLOOR PLAN AT CONCOURSE LEVEL

2 A130

SCALE: 1/4"=1'-0"

NOTES:

1. REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION.
2. REFER TO SHEET A140 FOR DEMOLITION OF EXISTING HEADHOUSE STRUCTURE.

KEY NOTES:

①	(N) HEADHOUSE
⑩	(E) ESCALATOR TO REMAIN
(26)	GLASS AND (E) FLOOR TRANSITION LINE
(28)	OVERHEAD COILING GRILLE
(47)	(N) STAIRCASE

GRAPHIC SCALE

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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: M. GRINDULO
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

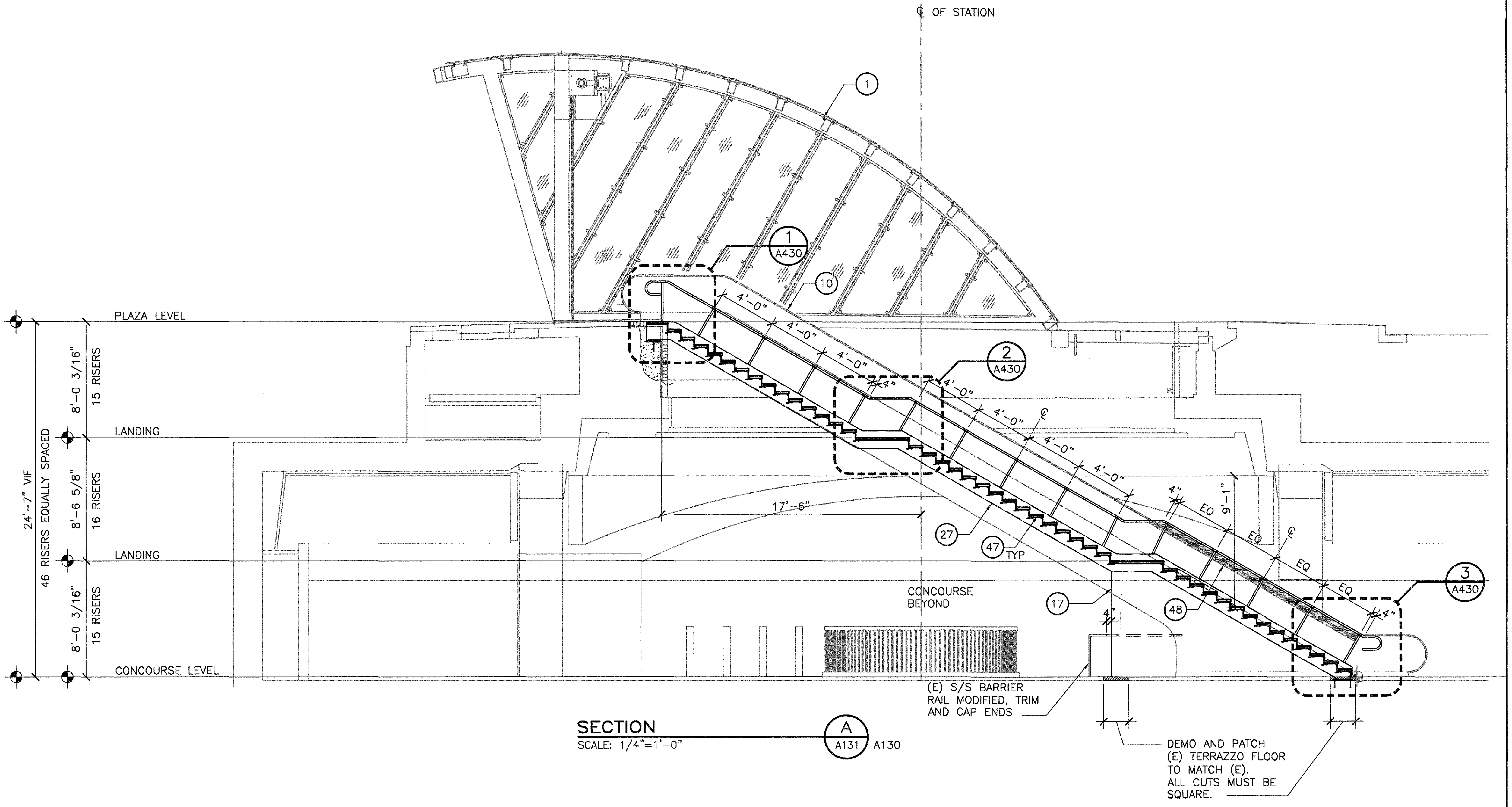
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 STAIR/ESCALATOR FLOOR PLANS

CADD FILENAME: DB-A130-P.dwg
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A130
PAGE NO.: 073



SECTION

SCALE: 1/4"=1'-0"

A A131 A130

NOTE:

REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION

KEY NOTES:

- ① (N) HEADHOUSE
- ⑩ (E) ESCALATOR TO REMAIN
- ⑰ HSS COLUMN PAINTED, SSD
- (27) MC 12X STAIR STRINGER PAINTED
- (47) (N) STAIRCASE
- (48) POLYCARBONATE PLASTIC GLAZING AT ESCALATOR HANDRAIL

4' 0' 4' 8'
GRAPHIC SCALE

FMGoak2 Dec 17, 2015 - 11:03am V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A131-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID

REV.	DATE	BY	SUB	APP.	DESCRIPTION

HALF SIZE

DESIGNED: B. ODA
DRAWN: M. GRINDULO
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

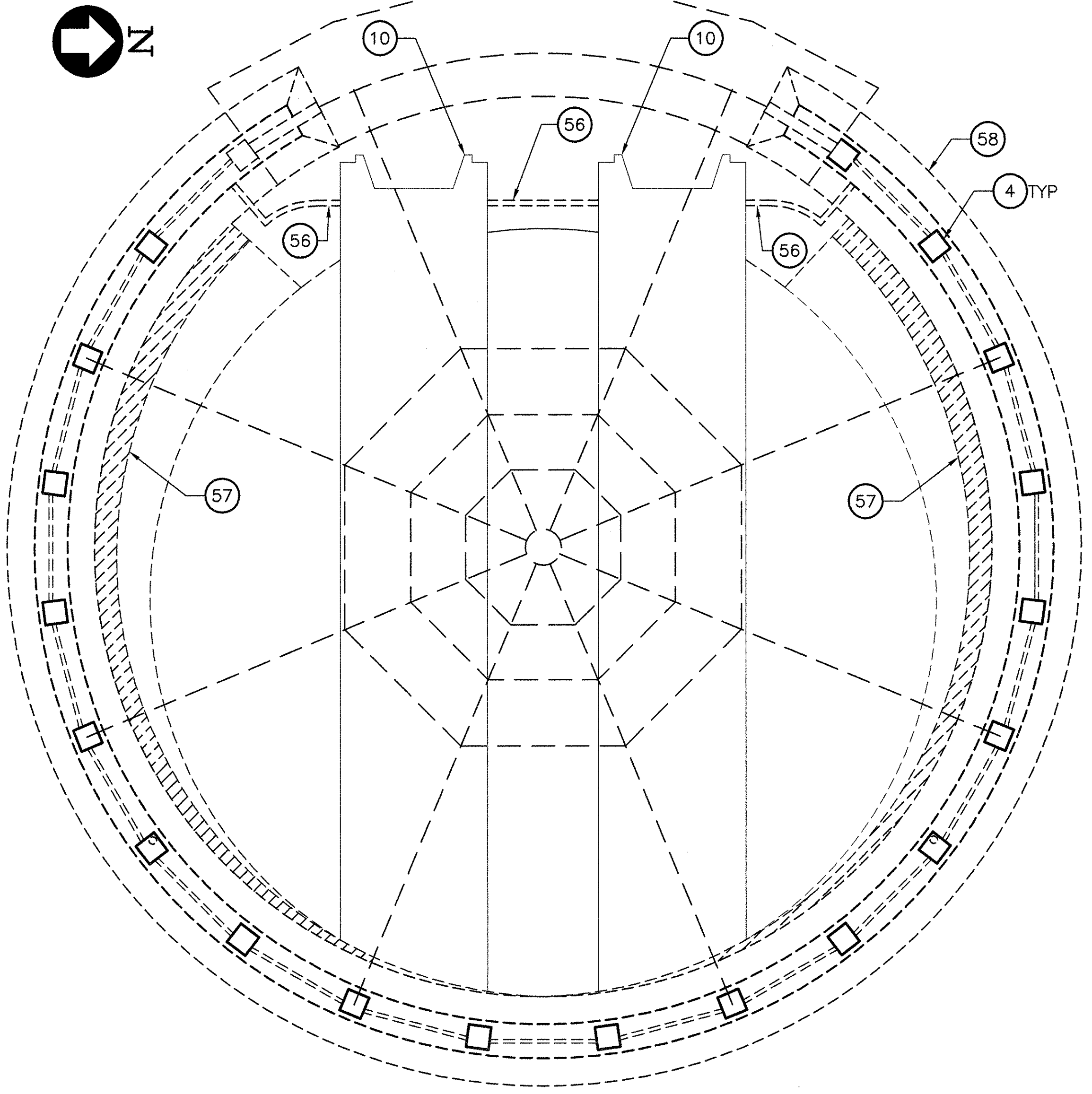
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

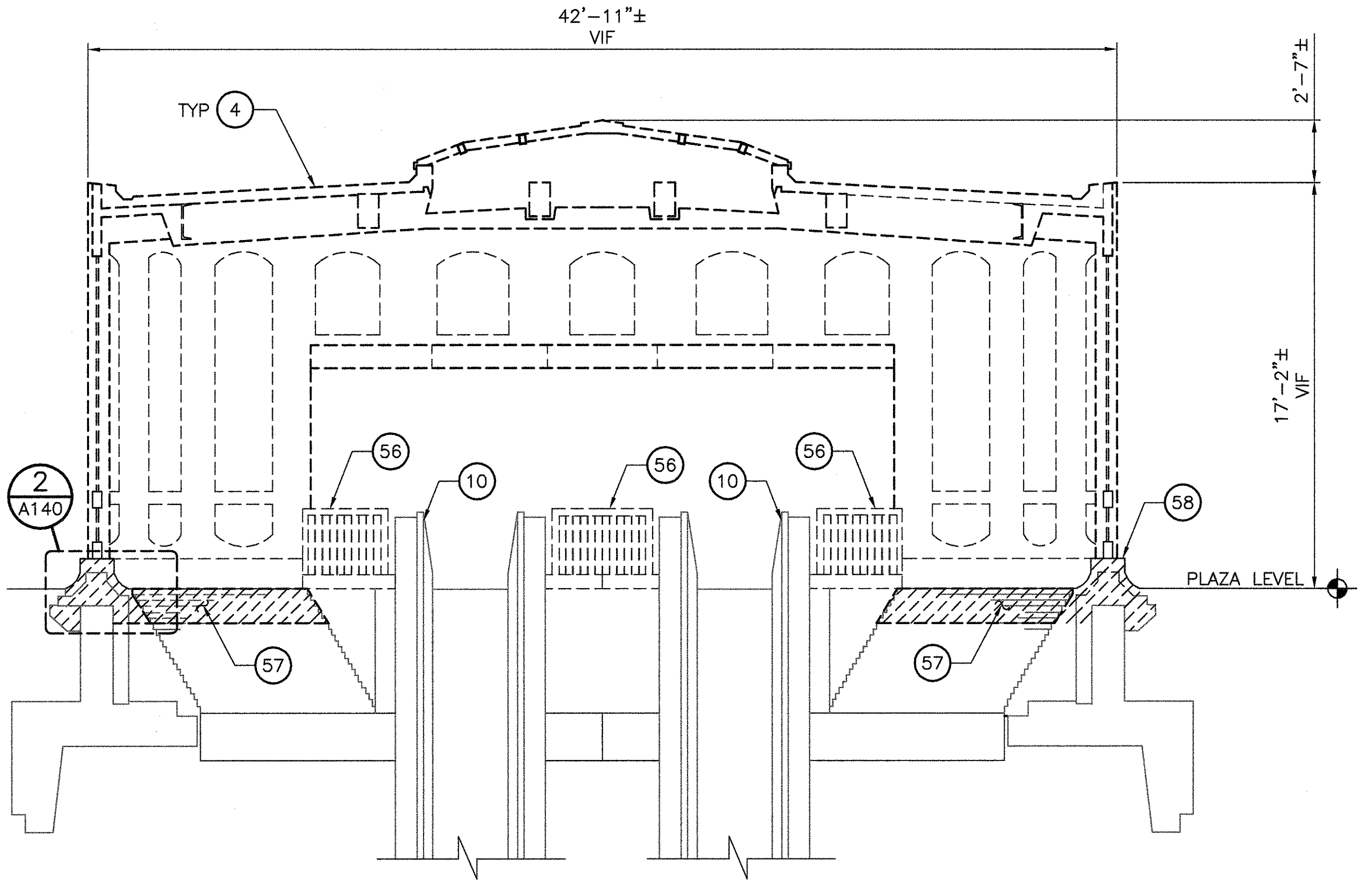
ENTRANCE 3 STAIR/ESCALATOR
SECTION

CADD FILENAME DB-A131-P.dwg
SIZE: D
SCALE 1/4"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A131
PAGE NO. 074



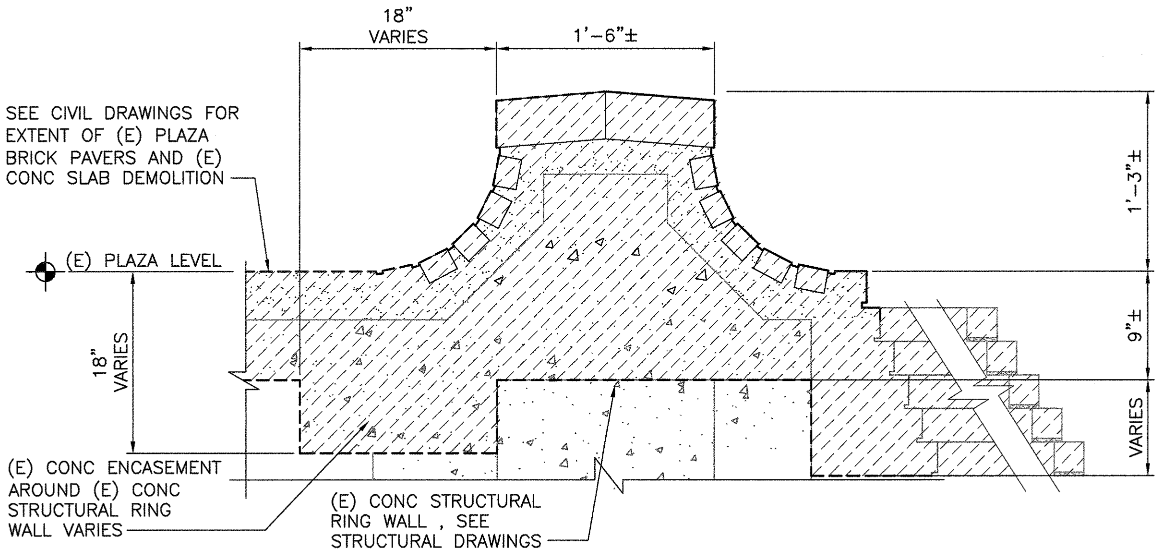
DEMOLITION PLAN 1/A140

1/4" = 1'-0"



DEMOLITION SECTION A/A140

1/4" = 1'-0"


18"
VARIES
1'-6"±
SEE CIVIL DRAWINGS FOR EXTENT OF (E) PLAZA BRICK PAVERS AND (E) CONC SLAB DEMOLITION
(E) PLAZA LEVEL
1'-3"±
9"±
18"
VARIES
VARIES
(E) CONC ENCASEMENT AROUND (E) CONC STRUCTURAL RING WALL VARIES
(E) CONC STRUCTURAL RING WALL , SEE STRUCTURAL DRAWINGS

DEMOLITION DETAIL 2/A140

SCALE: 1 1/2"=1'-0"

NOTE:

1. SEE MECH DRAWINGS FOR FIRE PROTECTION DEMOLITION.
2. SEE ELEC DRAWINGS FOR LIGHTING AND ELECTRICAL DEMOLITION.

KEY NOTES:

④ (E) HEADHOUSE TO BE REMOVED

⑩ (E) ESCALATOR TO REMAIN

(56) (E) GUARDRAIL TO BE REMOVED

(57) (E) BRICK VENEER AND GROUT TO BE REMOVED AS INDICATED

(58) (E) BRICK CURB TO BE REMOVED AS INDICATED

LEGEND

▨ TO BE REMOVED

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P		K	[illegible]	[illegible]	ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN: [illegible]
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

LICENSED ARCHITECT TIAN A. FENG
Exp 9/30/17
No. 25072
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

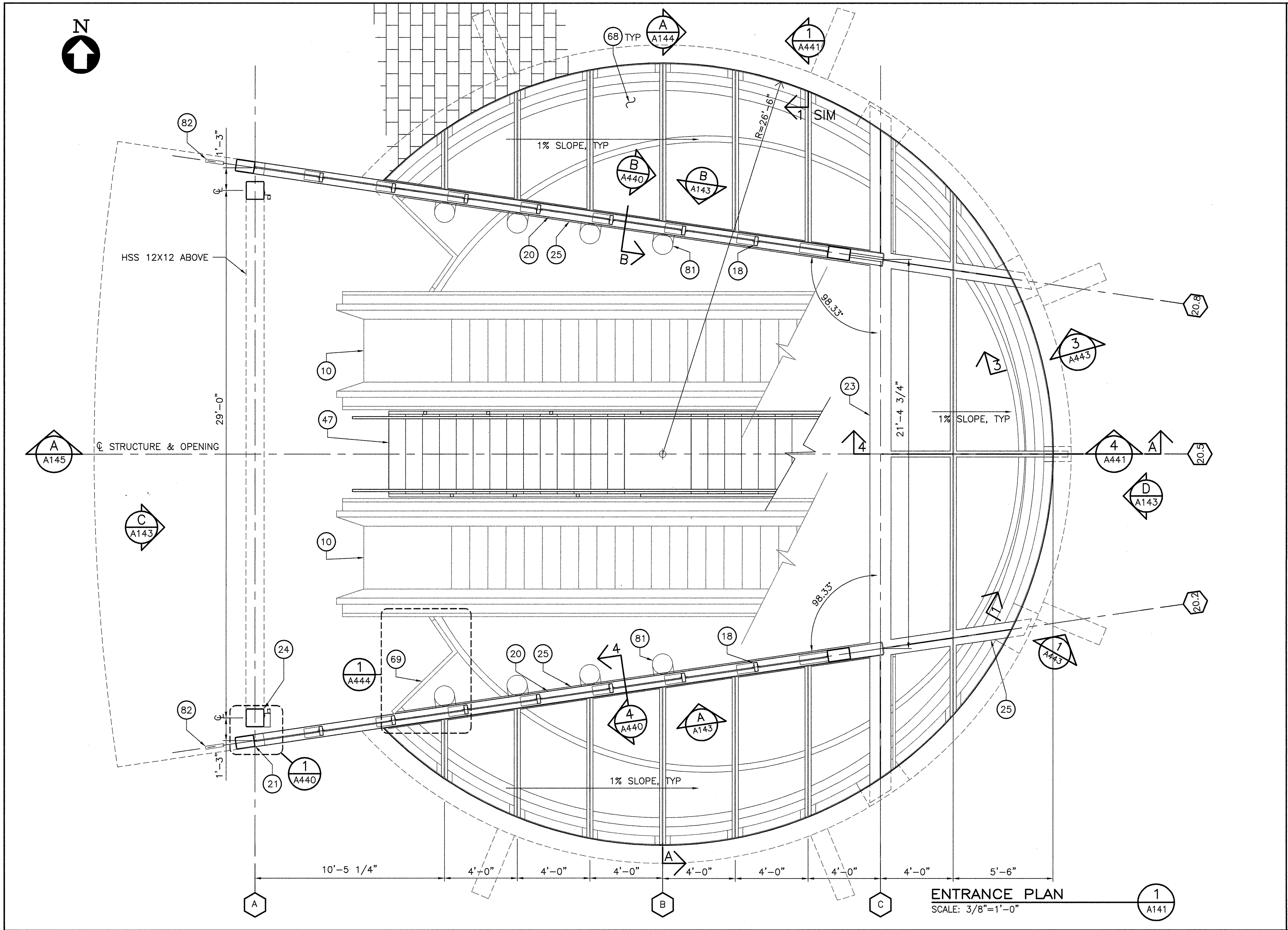
BART
MANAGER:

BART
APPROVED BY:

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE
DEMOLITION PLAN AND SECTION

CADD FILENAME: DB-A140-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A140
PAGE NO.: 075



ENTRANCE PLAN

SCALE: 3/8"=1'-0"

1
A141

NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

(10)	(E) ESCALATOR
(18)	HSS 6X3 PAINTED
(20)	HSS 8X10 PAINTED
(21)	HSS 8X12 PAINTED
(23)	HSS 14X14 PAINTED
(24)	HSS 12X12 PAINTED
(25)	HSS 14X10 PAINTED
(47)	METAL WALL PANEL
(68)	TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK WITH CERAMIC FRIT PATTERN
(69)	GLASS GUARDRAIL
(81)	RGB LED FLOOD LIGHT
(82)	WALKING DETERANT

1' 0' 1' 2' 3' 4' 5' 6' 7'

GRAPHIC SCALE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S.SMITH
APPROVED: D.PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

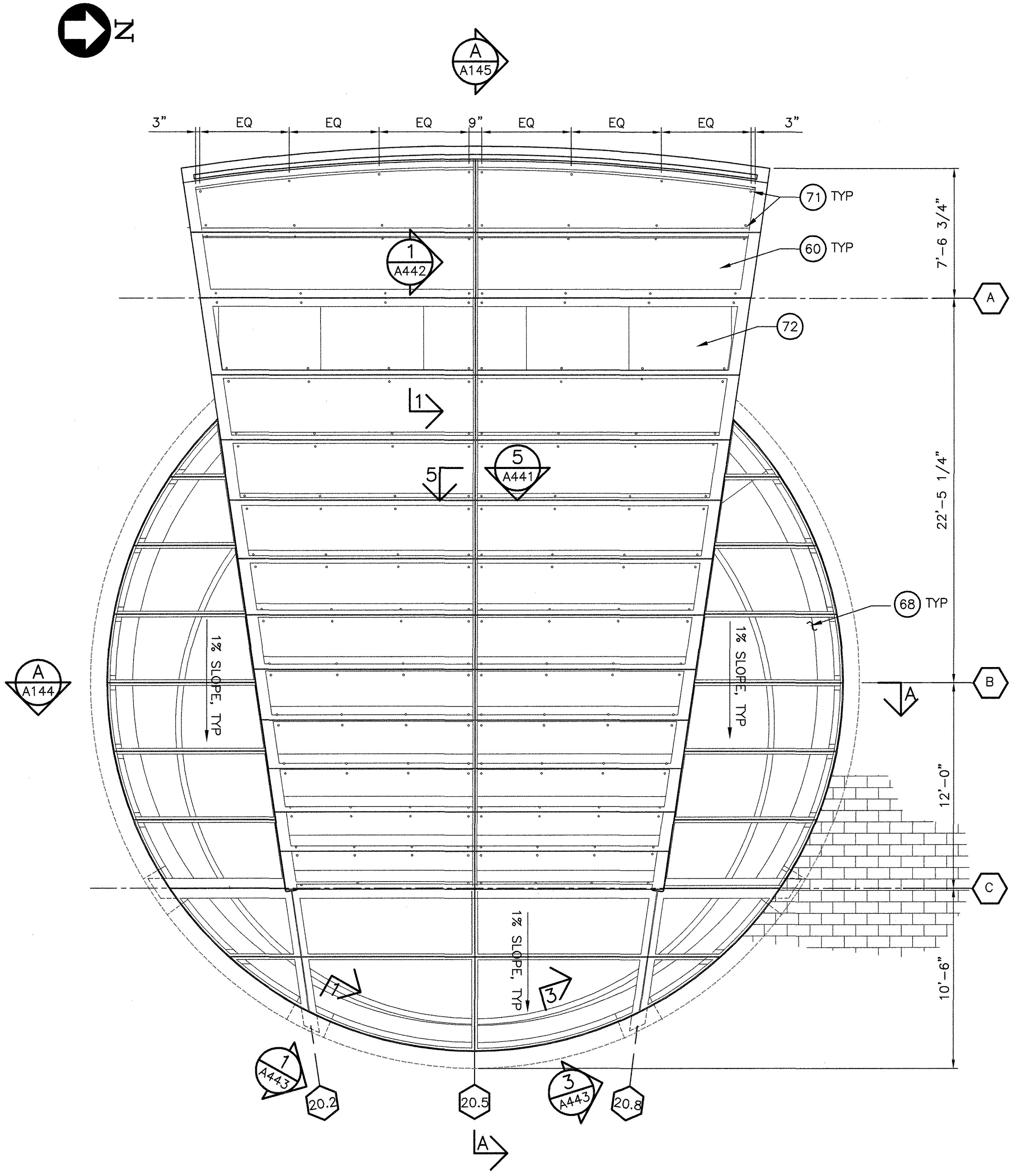
MANAGER:

APPROVED BY:

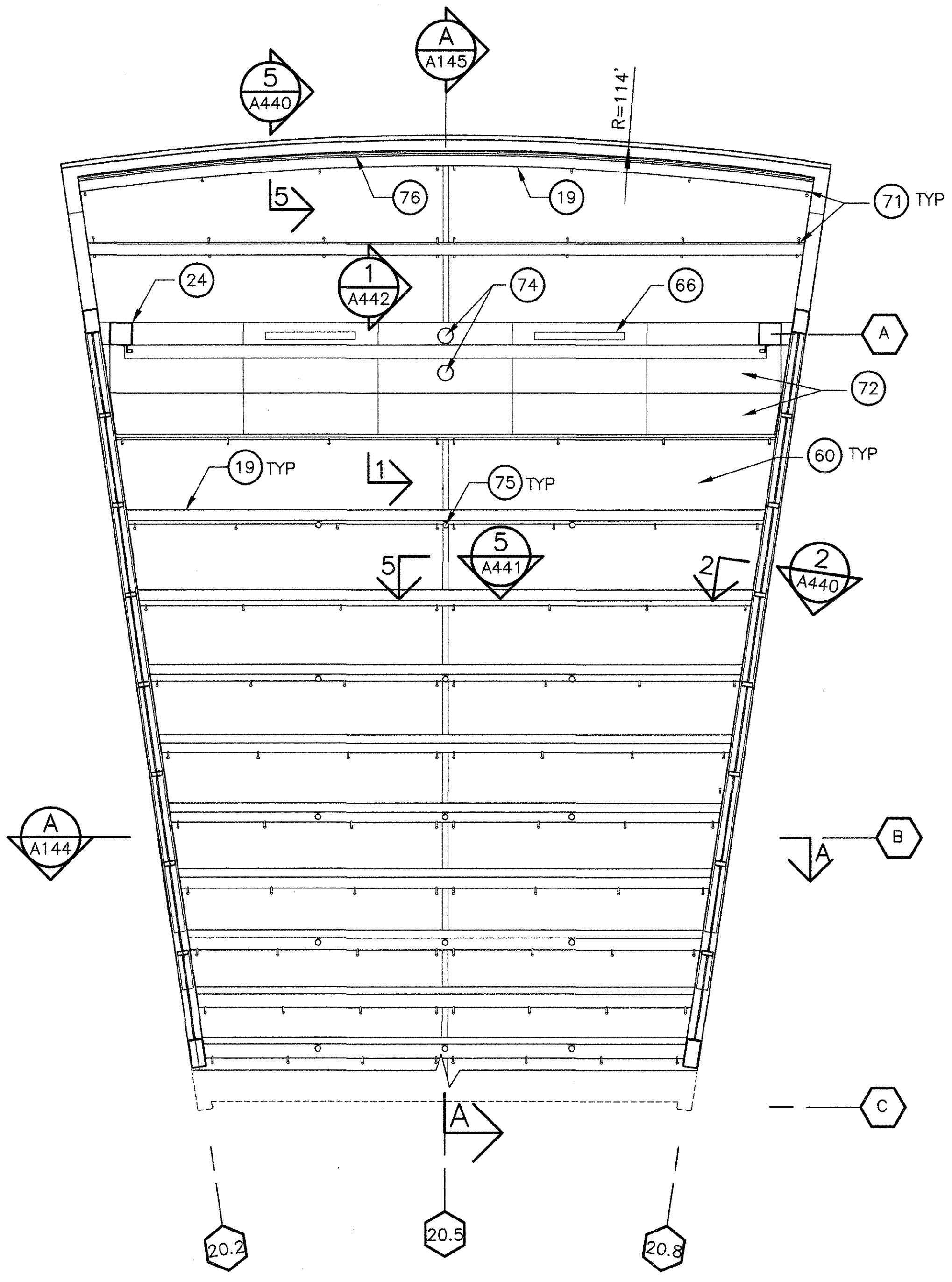
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE FLOOR PLAN

CADD FILENAME DB-A141A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A141
PAGE NO. 076



ENTRANCE ROOF PLAN
1
A142
SCALE: 1/4"=1'-0"



REFLECTED CEILING PLAN
2
A142
SCALE: 1/4"=1'-0"

NOTES:

1. REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
2. CUSTOM FRIT PATTERNED FILM SHALL BE APPLIED ON INTERIOR OF GLASS ROOF. ELECTRONIC ART FILE PROVIDED BY THE ENGINEER.

KEY NOTES:

19	HSS 6X10 PAINTED
24	HSS 12X12 PAINTED
25	HSS 14X10 PAINTED
29	COILING GRILLE GUIDE
60	TEMPERED, LAMINATED STRUCTURAL GLASS ROOF
66	LINEAR LED LIGHTING
68	TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK
71	ST STL STANDOFF
72	1/8" ALUM PLATE PANEL
74	FLUSH MOUNTED CCTV
75	LED DOWNLIGHT
76	LINEAR LED LIGHT FIXTURE ALONG ENTIRE BEAM

GRAPHIC SCALE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

BART
MANAGER:

BART
APPROVED BY:

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE ROOF PLAN
AND REFLECTED CEILING PLAN

CADD FILENAME DB-A142A.DWG
SIZE: D
SCALE AS NOTED
CONTRACT NO. **05EA-110**
REV. **P**
CONTRACT SHEET NO. **A142**
PAGE NO. **077**

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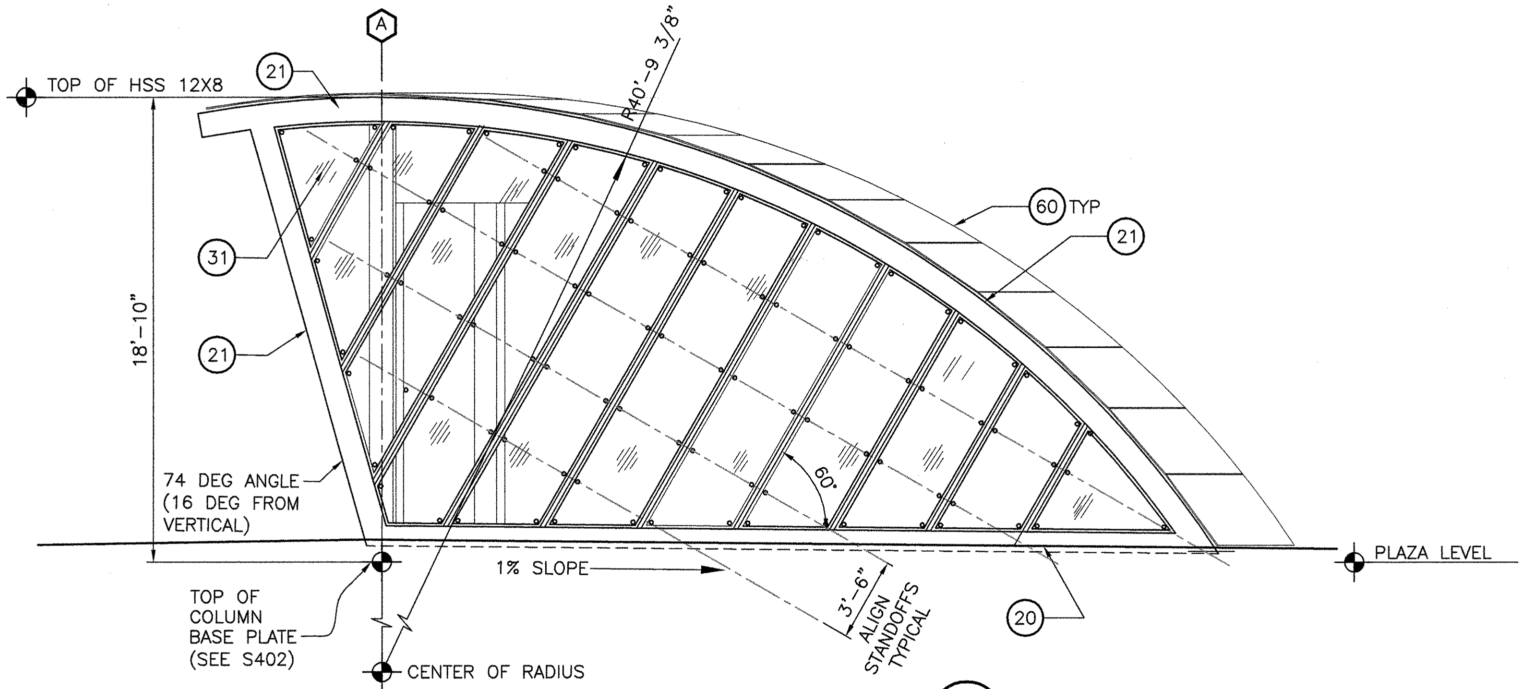
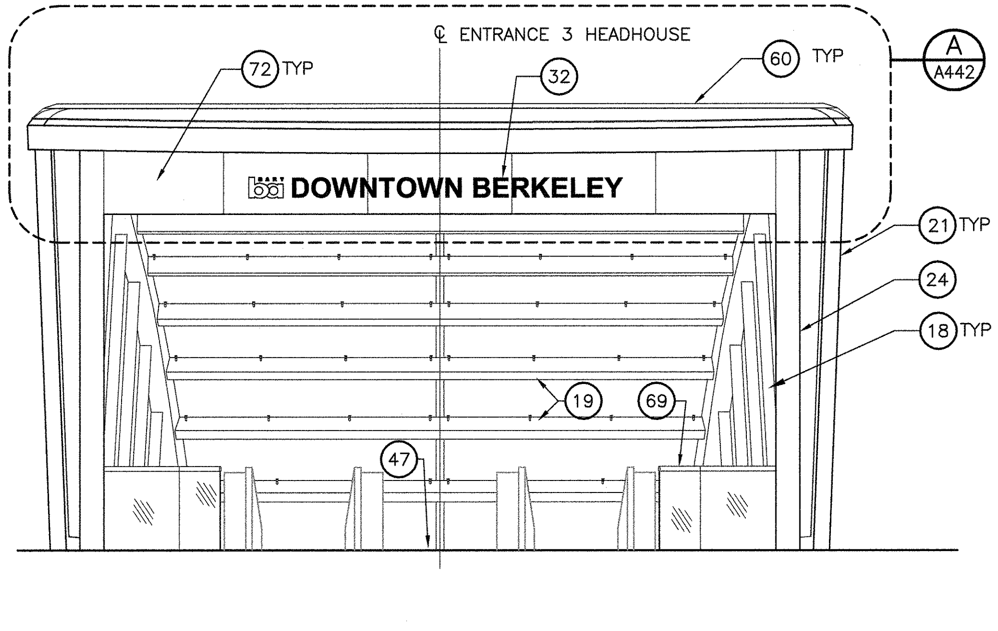

TOP OF HSS 12X8
A
21
R40'-9 3/8"
60 TYP
21
31
21
18'-10"
74 DEG ANGLE (16 DEG FROM VERTICAL)
60°
1% SLOPE
3'-6" ALIGN STANDOFFS TYPICAL
20
PLAZA LEVEL
TOP OF COLUMN BASE PLATE (SEE S402)
CENTER OF RADIUS

SOUTH ELEVATION (A / A143)
SCALE: 1/4"=1'-0"



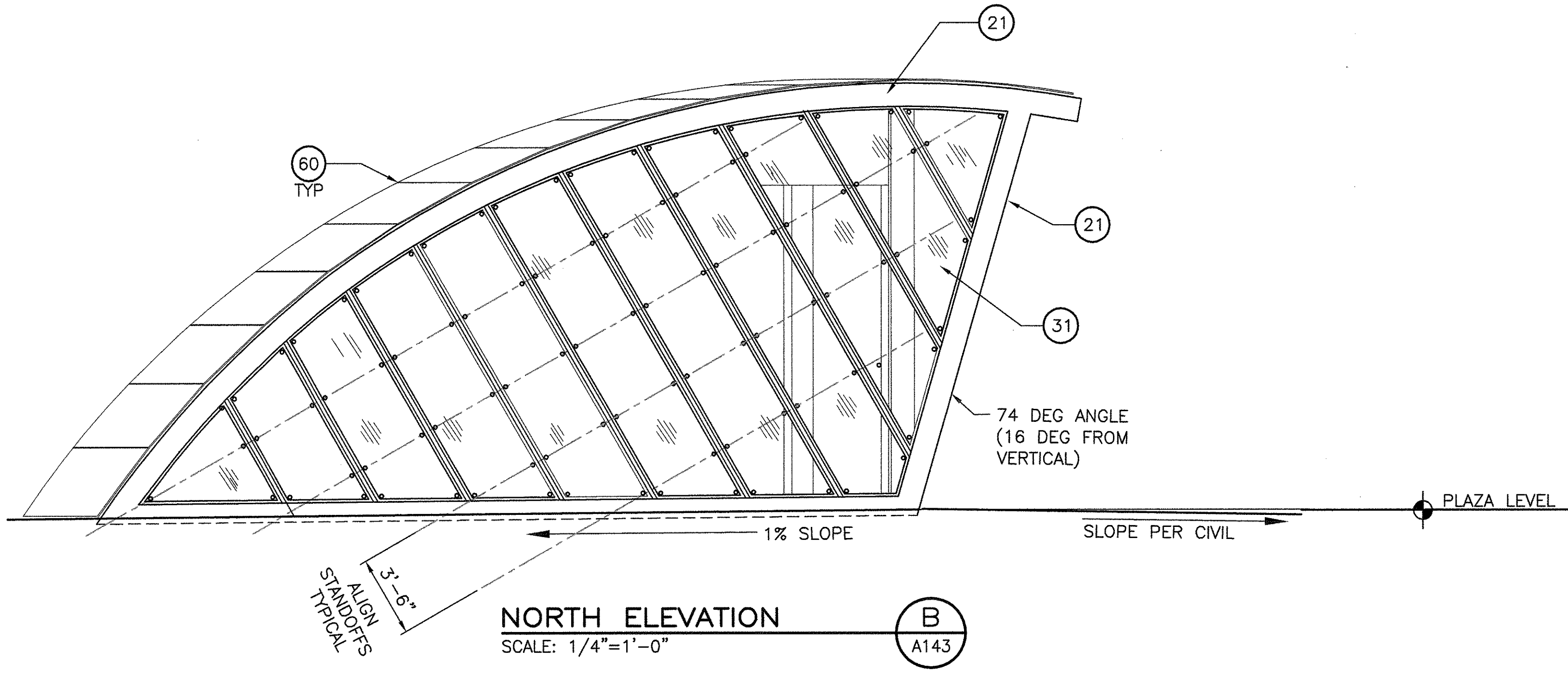
WEST ELEVATION (C / A143)
1/4" = 1'-0"

NOTES:

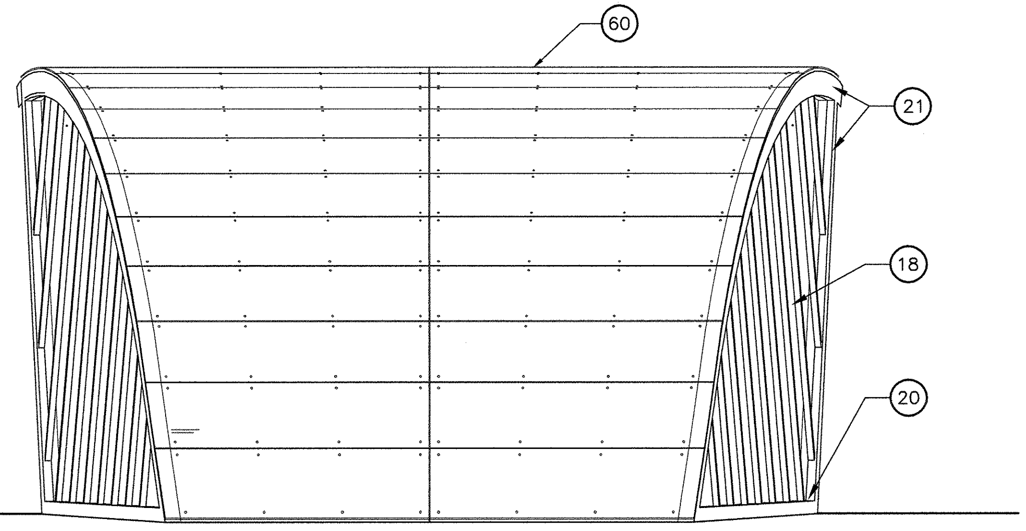
1. REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
2. CUSTOM FRIT PATTERNED FILM SHALL BE APPLIED ON INTERIOR OF GLASS ROOF. ELECTRONIC ART FILE PROVIDED BY THE ENGINEER.

KEY NOTES:

(18) HSS 6X3 PAINTED
(19) HSS 6X10 PAINTED
(20) HSS 8X10 PAINTED
(21) HSS 8X12 PAINTED
(24) HSS 12X12 PAINTED
(29) COILING GRILLE GUIDE
(31) 9/16" CLEAR, TEMPERED, LAMINATED GLASS
(32) SURFACE MOUNTED, 1/2" THICK CAST ALUM LETTERS AND BART LOGO
(47) STAIRS
(60) TEMPERED LAMINATED STRUCTURAL GLASS ROOF
(68) TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK
(69) ST STL GUARDRAIL
(72) 1/8" ALUM PLATE PANEL


21
60 TYP
21
31
74 DEG ANGLE (16 DEG FROM VERTICAL)
1% SLOPE
SLOPE PER CIVIL
PLAZA LEVEL
3'-6" ALIGN STANDOFFS TYPICAL

NORTH ELEVATION (B / A143)
SCALE: 1/4"=1'-0"



EAST ELEVATION (D / A143)
1/4" = 1'-0"

4' 0' 4' 8'
GRAPHIC SCALE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
No. 25072
Exp. 9/30/17

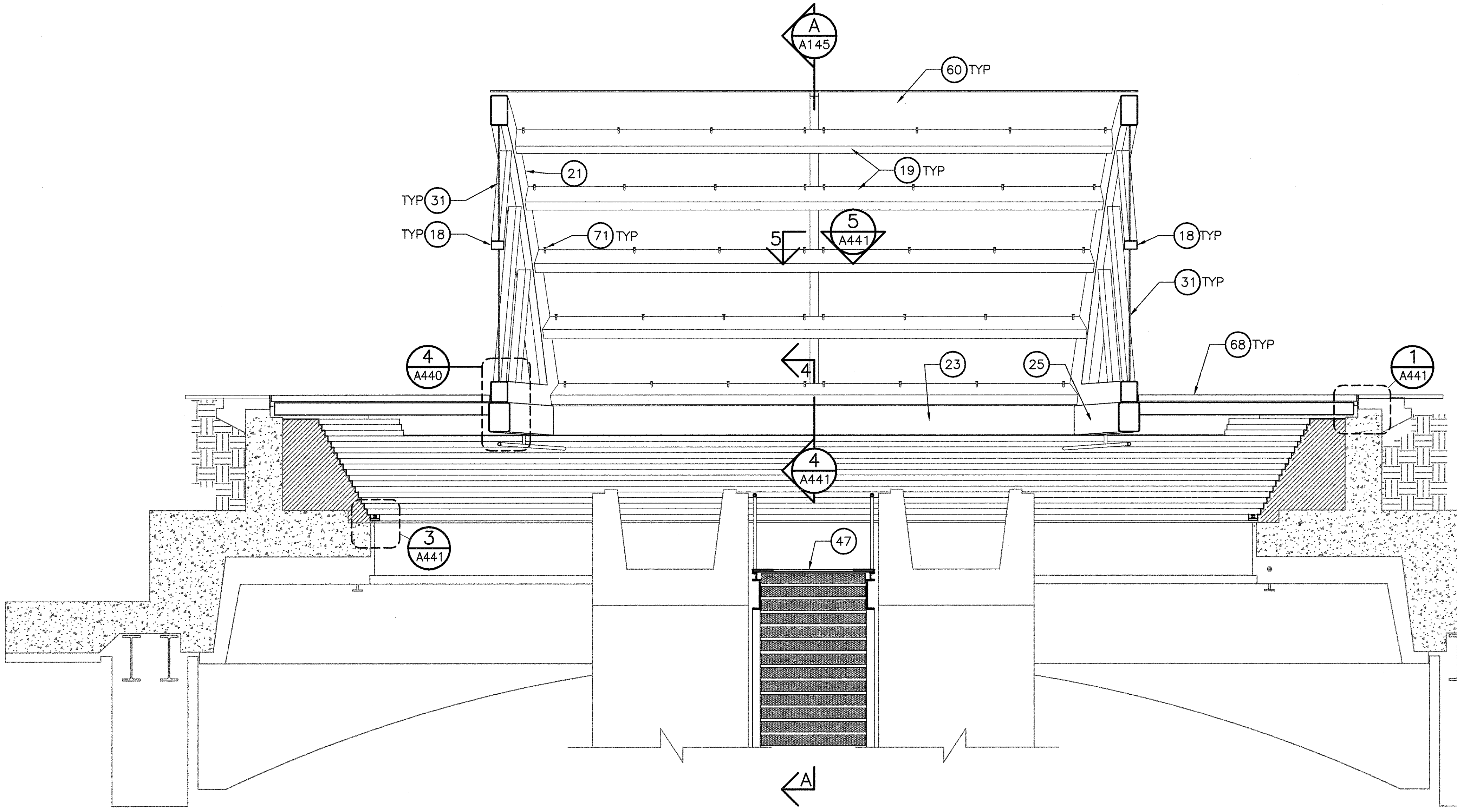
SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

MANAGER:
APPROVED BY:

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE ELEVATIONS

CADD FILENAME: DB-A143-A.DWG
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A143
PAGE NO.: 078



TRANSVERSE SECTION A A143 A141, A142

SCALE: 3/8"=1'-0"

NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

(18)	HSS 6X3 PAINTED
(19)	HSS 6X10 PAINTED
(20)	HSS 8X10 PAINTED
(21)	HSS 8X12 PAINTED
(23)	HSS 14X14 PAINTED
(25)	HSS 14X10 PAINTED
(31)	9/16" CLEAR, TEMPERED, LAMINATED GLASS
(47)	STAIRS
(60)	TEMPERED, LAMINATED STRUCTURAL GLASS ROOF
(68)	TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK
(71)	ST STL POINT SUPPORTED GLASS FITTING

1' 0' 1' 2' 3' 4' 5' 6' 7'

GRAPHIC SCALE

HALF SIZE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

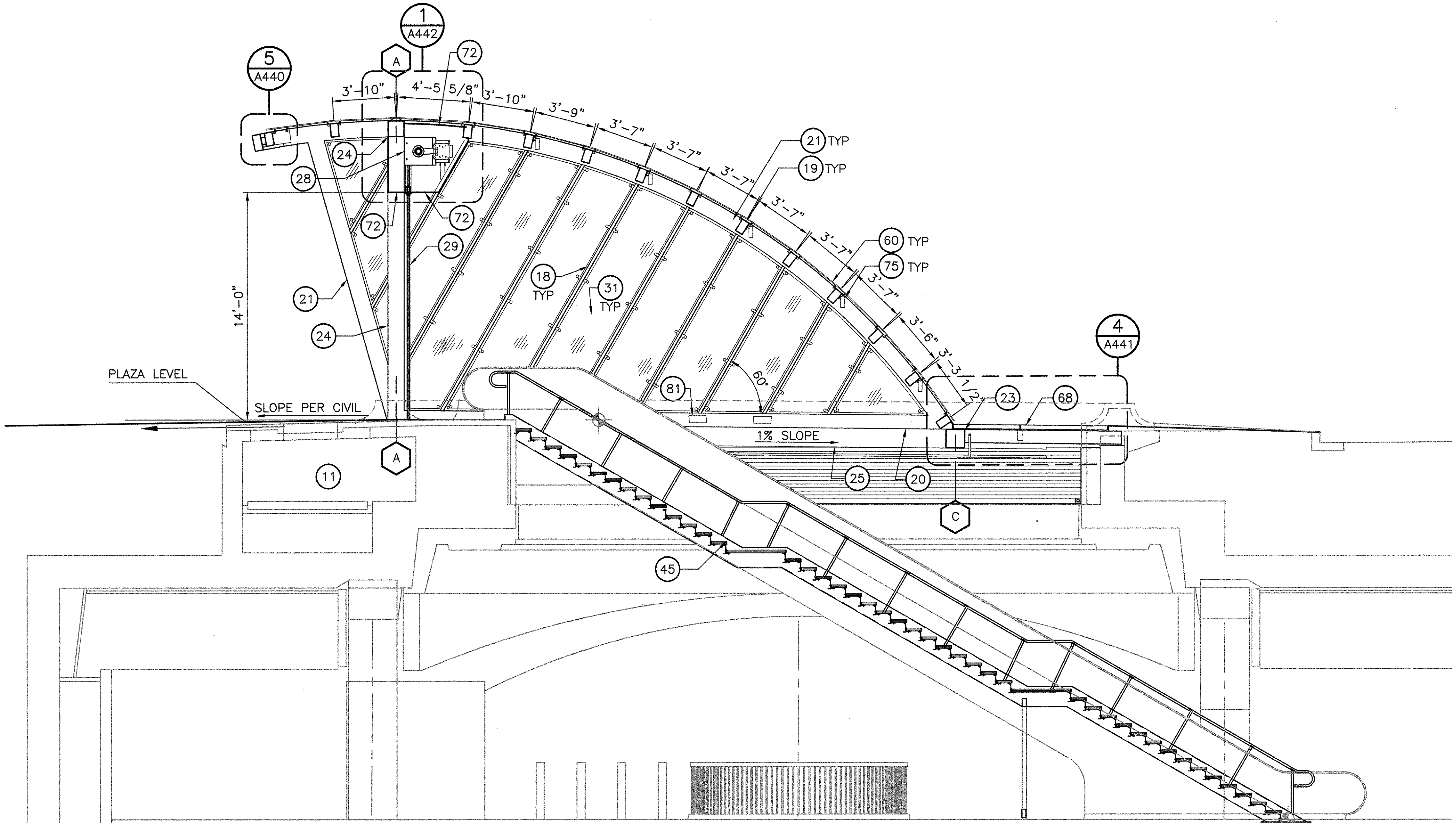
MANAGER:

APPROVED BY:

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE
TRANSVERSE SECTIONS

CADD FILENAME: DB-A144-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A144
PAGE NO.: 079



LONGITUDINAL SECTION (A/A145)

SCALE: 1/4"=1'–0"

NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

(11)	(E) ESCALATOR MACHINE ROOM
(18)	HSS 6X3 PAINTED
(19)	HSS 10X6 PAINTED
(20)	HSS 8X10 PAINTED
(21)	HSS 8X12 PAINTED
(23)	HSS 14X14 PAINTED
(24)	HSS 12X12 PAINTED
(25)	HSS 14X10 PAINTED
(28)	OVERHEAD COILING GRILLE
(29)	COILING GRILLE GUIDE
(31)	9/16" CLEAR, TEMPERED, LAMINATED GLASS
(45)	STAIRS
(47)	METAL WALL PANEL
(60)	TEMPERED LAMINATED STRUCTURAL GLASS ROOF
(67)	1/4" THICK FORMED STEEL BENT PLATE, PAINTED
(68)	TEMPERED, LAMINATED STRUCTURAL GLASS SIDEWALK
(72)	1/8" ALUM PLATE PANEL
(75)	LED DOWNLIGHT
(81)	RGB LED FLOODLIGHT

GRAPHIC SCALE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P			4	8	ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

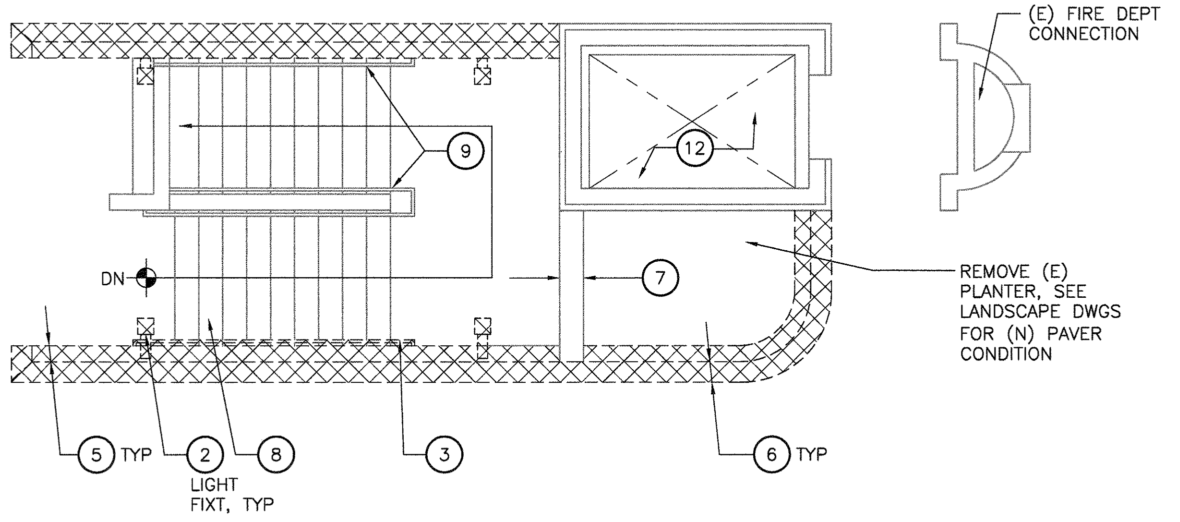
BART
MANAGER:

BART
APPROVED BY:

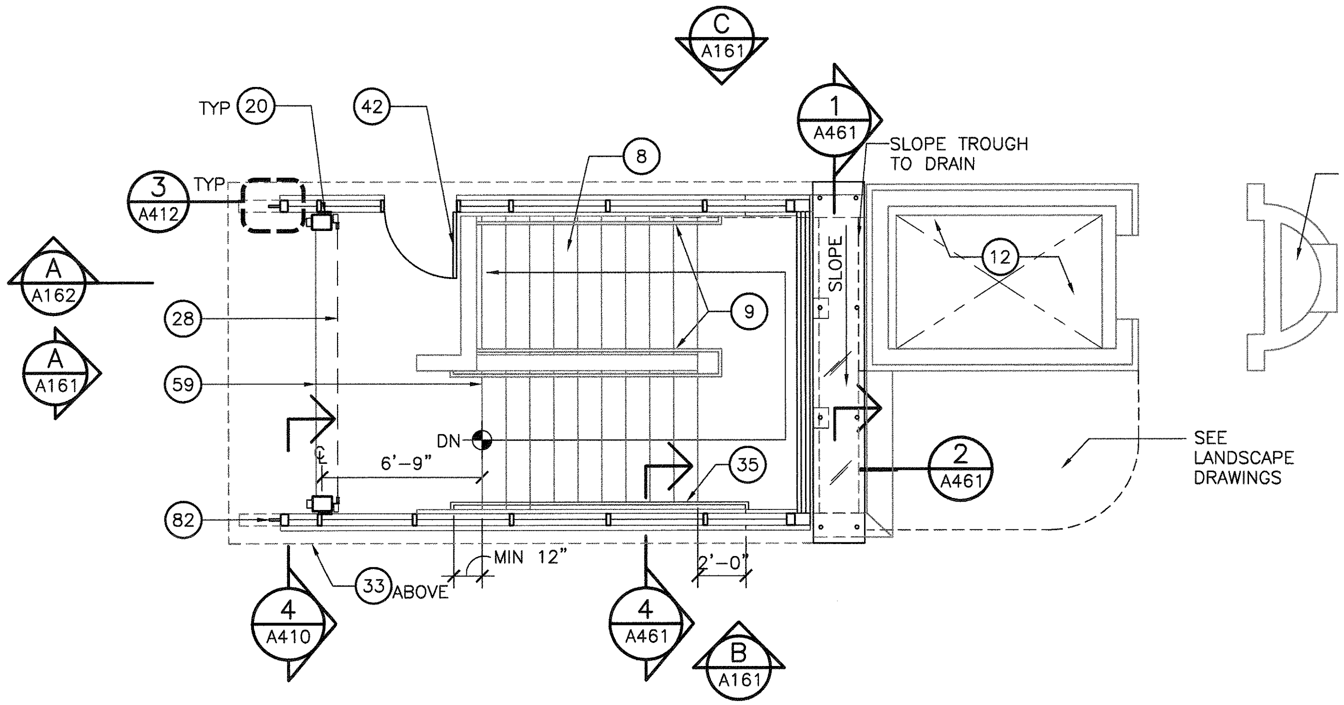
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE
LONGITUDINAL SECTIONS

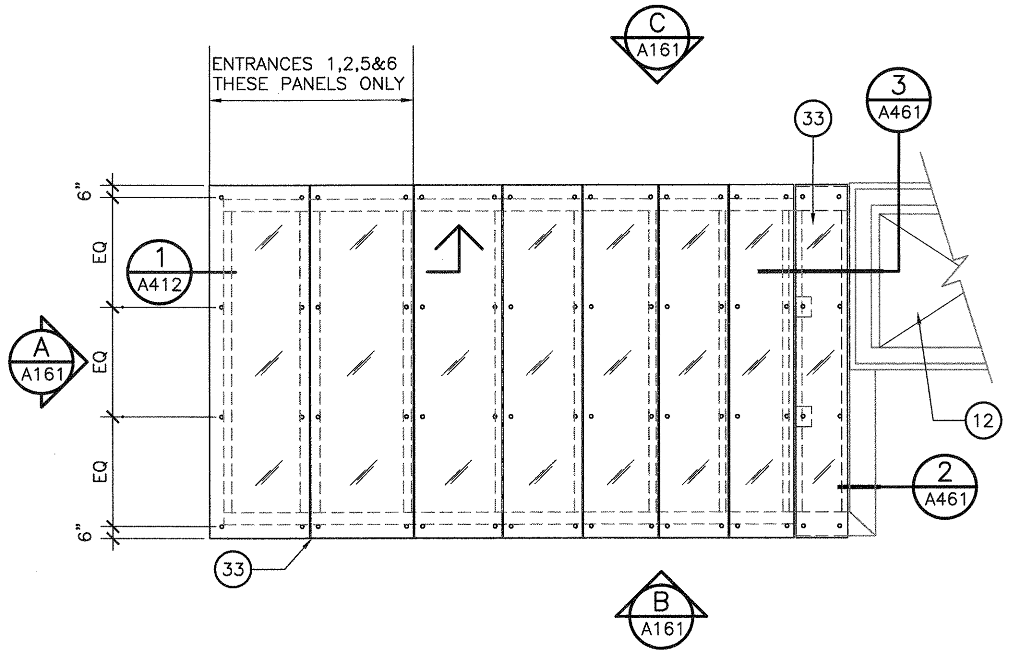
CADD FILENAME: DB–A145–A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A145
PAGE NO.: 080


(E) FIRE DEPT CONNECTION
9
12
DN
7
REMOVE (E) PLANTER, SEE LANDSCAPE DWGS FOR (N) PAVER CONDITION
5 TYP
2
LIGHT FIXT, TYP
8
3
6 TYP

DEMOLITION PLAN (1/A160) A050
1/4" = 1'-0"



FLOOR PLAN (2/A160) A050
1/4" = 1'-0"



ROOF PLAN (3/A160)
1/4" = 1'-0"

NOTE:

REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION

KEY NOTES:

②	REMOVE (E) LIGHT FIXTURE
③	REMOVE (E) HANDRAIL AND BRACKETS. PATCH HOLES TO MATCH ADJACENT BRICK COLOR
⑤	DEMOLISH (E) PARAPET WALL
⑥	DEMOLISH (E) COVED BASE
⑦	(E) PARAPET WALL TO REMAIN
⑧	(E) STAIRS TO REMAIN
⑨	(E) HANDRAIL TO REMAIN
⑫	(E) ELEVATOR
⑳	HSS 8X10 PAINTED
㉘	OVERHEAD COILING GRILLE
㉝	9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
㉟	(N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
㊷	SERVICE DOOR
(59)	(E) TERRAZZO LANDING WITH SLIP RESISTANT METAL GRATING TO REMAIN
(82)	WALKING DETERRENT

LEGEND:

▨	(E) ITEMS TO BE DEMOLISHED/ REMOVED
- - - - - -	LINE OF CANOPY/GRILLE ABOVE

GRAPHIC SCALE

FMGcad2 Dec 17, 2015 - 11:03am V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A160-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

LICENSED ARCHITECT
RONALD J. FINGER
REN. 12/31/2017
NO. C11001
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

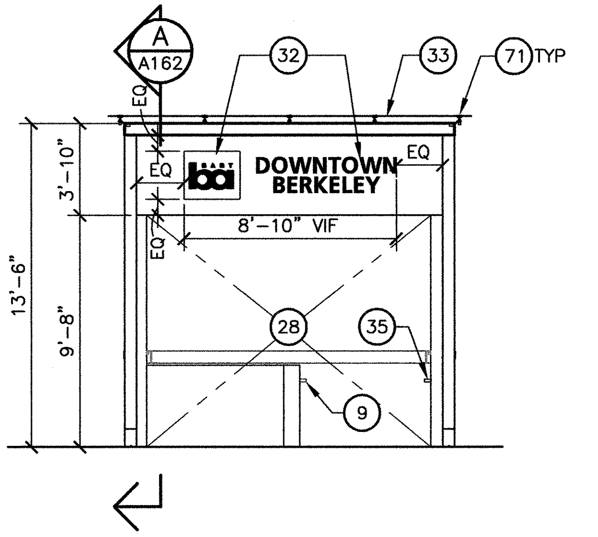
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 4/ELEVATOR HEADHOUSE
DEMOLITION PLAN, FLOOR PLAN AND ROOF PLAN

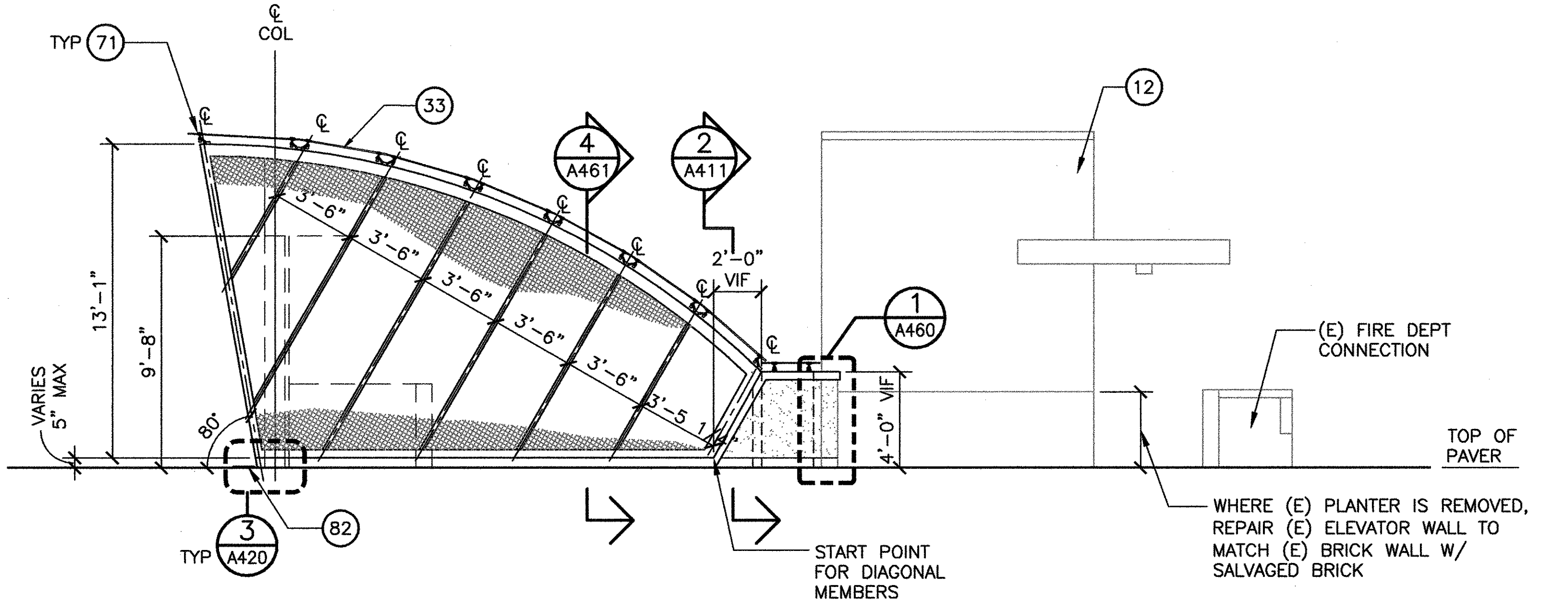
CADD FILENAME: DB-A160-P.dwg
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A160
PAGE NO.: 081



ELEVATION 1

A
A161
A160

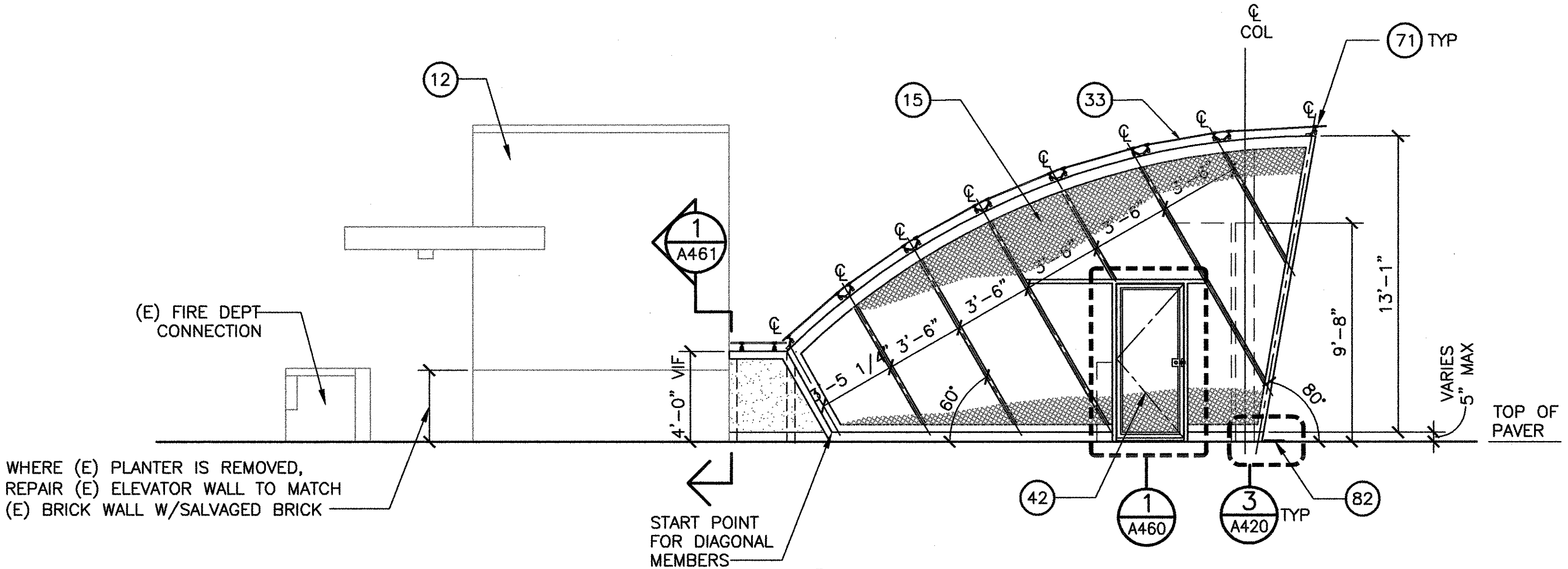
SCALE: 1/4" = 1'-0"



ELEVATION 2

B
A161
A160

SCALE: 1/4" = 1'-0"



ELEVATION 3

C
A161
A160

SCALE: 1/4" = 1'-0"

NOTES:

1. REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION
2. REFER TO SECTION A/A111 FOR ADDITIONAL TYPICAL DIMENSIONS

KEY NOTES:

9	(E) HANDRAIL TO REMAIN
12	(E) ELEVATOR
15	GALV PAINTED WIRE MESH
28	OVERHEAD COILING GRILLE
32	SURFACE MOUNTED 1/2" THICK CAST ALUM LETTERS, AND CAST BART LOGO
33	9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
35	(N) ST STL STAIR HANDRAIL, SEE DETAIL 6/A412
42	SERVICE DOOR
71	POINT SUPPORTED GLASS FITTING
82	WALKING DETERRENT

GRAPHIC SCALE

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 4/ELEVATOR HEADHOUSE
ELEVATIONS

CADD FILENAME: DB-A161-P.dwg
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A161
PAGE NO.: 082

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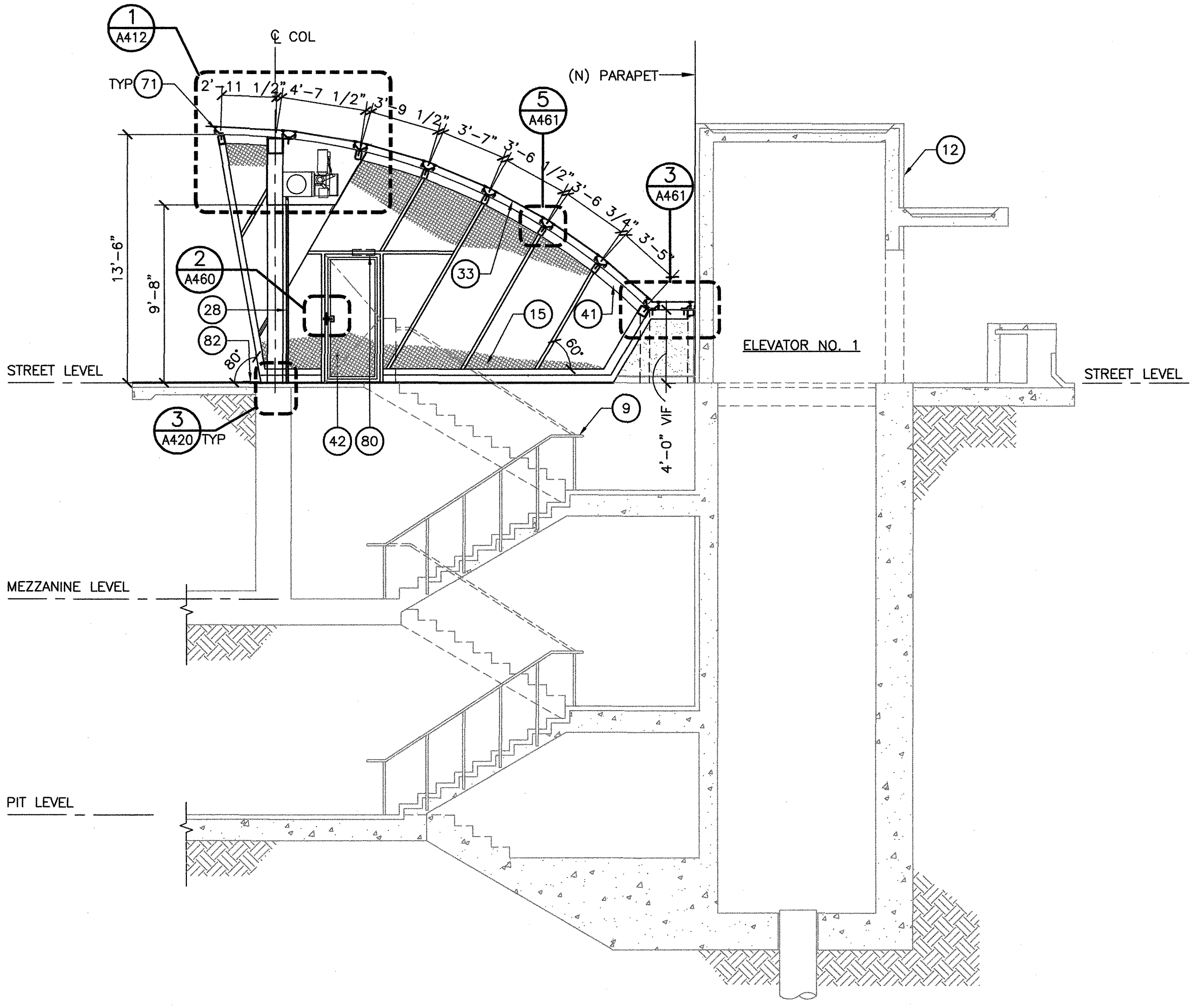


SECTION A
A162
1/4" = 1'-0"
A160
A161

NOTE:

REFER TO CIVIL, UTILITY AND LANDSCAPE, FOR ADDITIONAL INFORMATION

KEY NOTES:

⑨	(E) HANDRAIL TO REMAIN
⑫	(E) ELEVATOR
⑮	GALVANIZED PAINTED WIRE MESH
㉘	OVERHEAD COILING GRILLE
㉝	9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
㊶	PAINTED GALVANIZED STEEL GRATE
㊷	SERVICE DOOR
(71)	POINT SUPPORTED GLASS FITTING
(80)	DOOR CLOSER
(82)	WALKING DETERRENT

GRAPHIC SCALE

ClaudiaU Dec 23, 2015 - 1:39pm \\FMG-SERVER\Victor\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A162-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: L. CANLAS
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

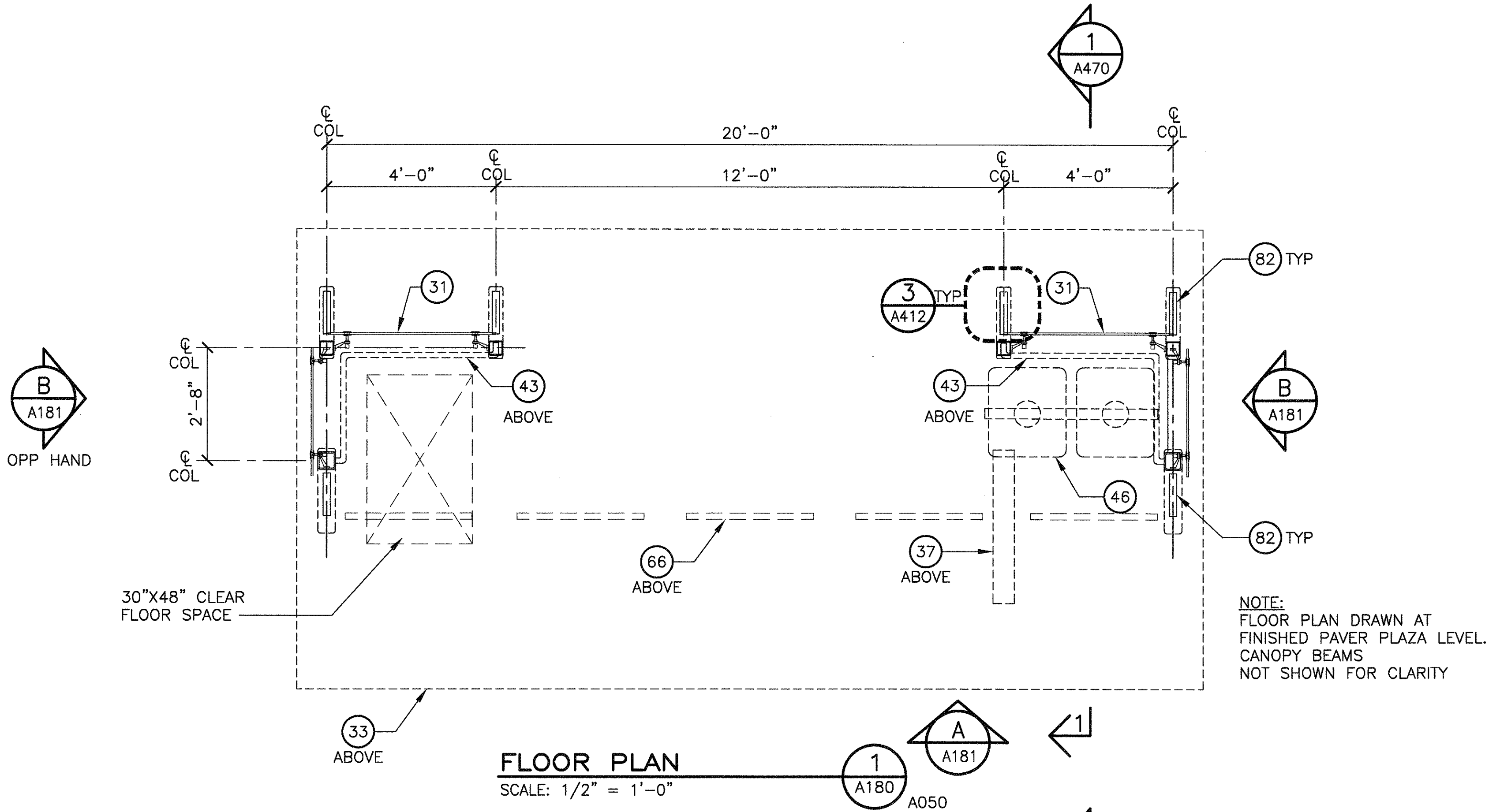
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

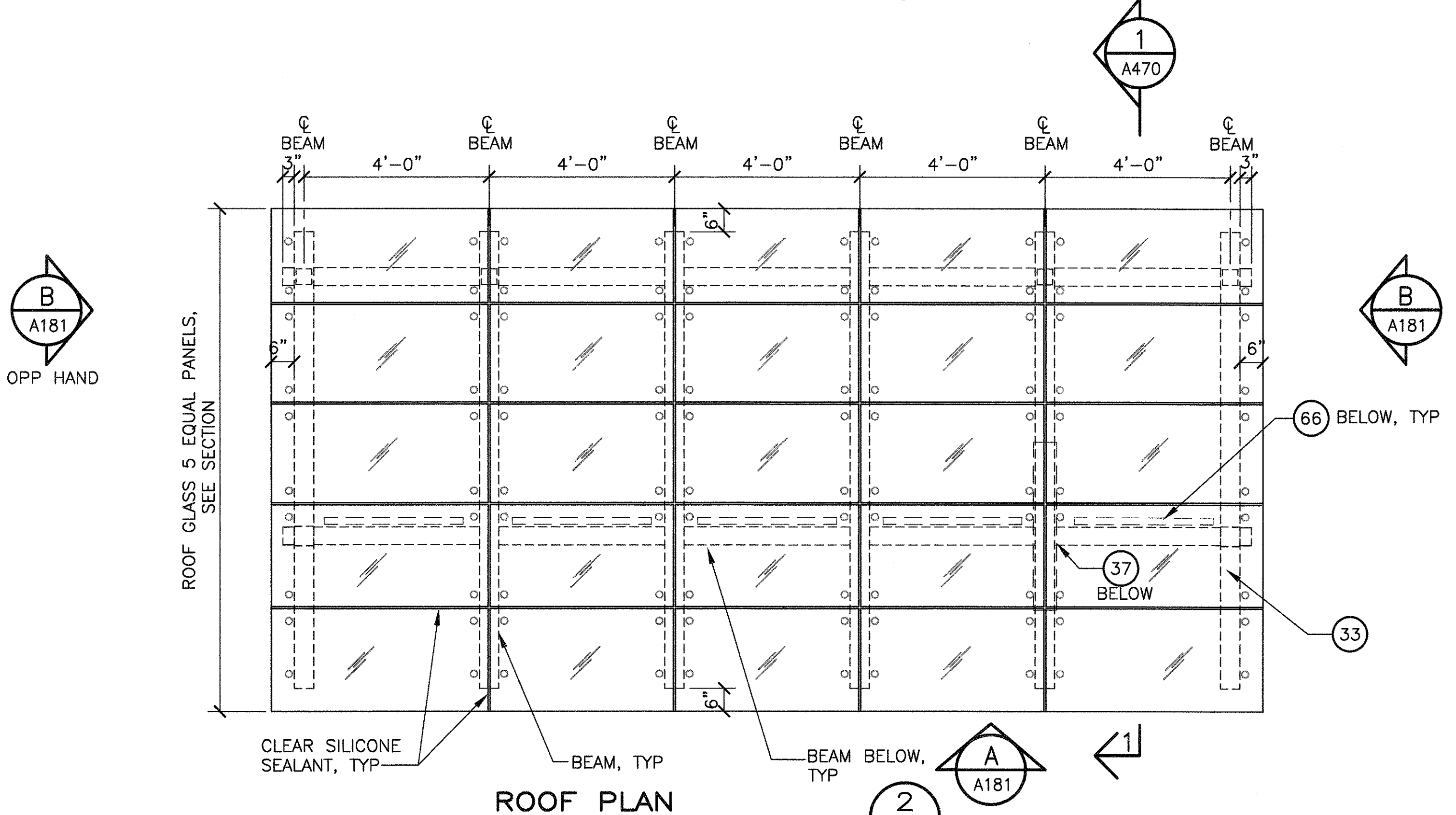
ENTRANCE 4/ELEVATOR HEADHOUSE
SECTION

CADD FILENAME DB-A162-P.dwg
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A162
PAGE NO. 083



NOTE:
FLOOR PLAN DRAWN AT FINISHED PAVER PLAZA LEVEL. CANOPY BEAMS NOT SHOWN FOR CLARITY

FLOOR PLAN
1
A180
SCALE: 1/2" = 1'-0"



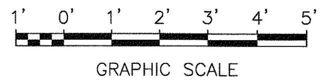
ROOF PLAN
2
A180
SCALE: 1/2" = 1'-0"

KEY NOTE:

REFER LANDSCAPE AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

(31)	9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFITTI SHEET BOTH SIDES
(33)	9/16" FRITTED, TEMPERED LAMINATED STRUCTURAL GLASS
(37)	VARIABLE MESSAGING SYSTEM. OWNER SUPPLIED, CONTRACTOR INSTALLED.
(43)	LEANING RAIL
(46)	BENCH
(66)	LINEAR LED LIGHTING
(82)	WALKING DETERRENT



GRAPHIC SCALE

FMGoak2 Dec 17, 2015 - 11:33am V:\acaddata\150701 BERKELEY PLAZA\CONST DOCS\DWG\DB-A180-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
B. ODA
DRAWN:
C. ULLOA
CHECKED:
C. GUADAGNE
APPROVED:
R. FINGER
DATE:
20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

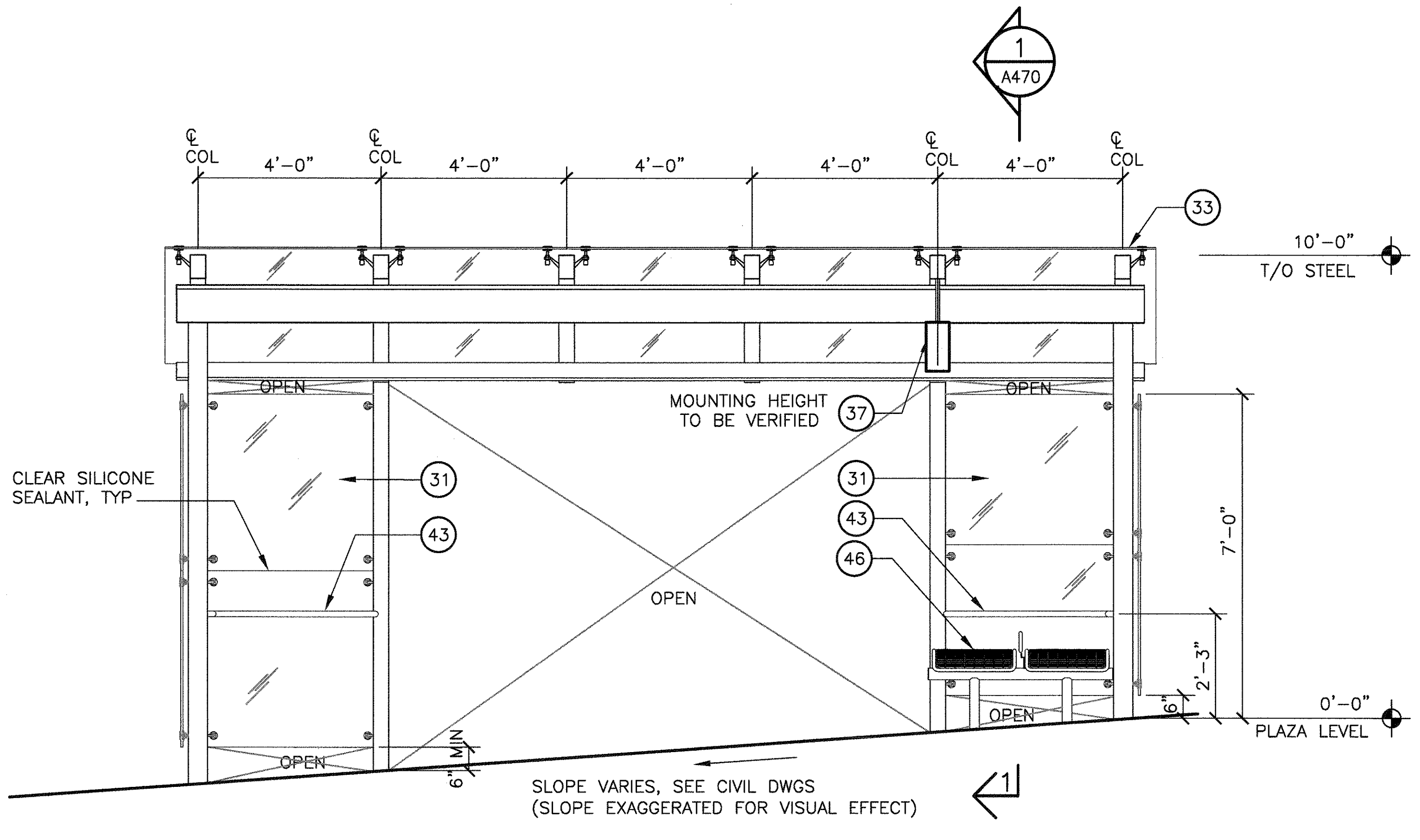
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

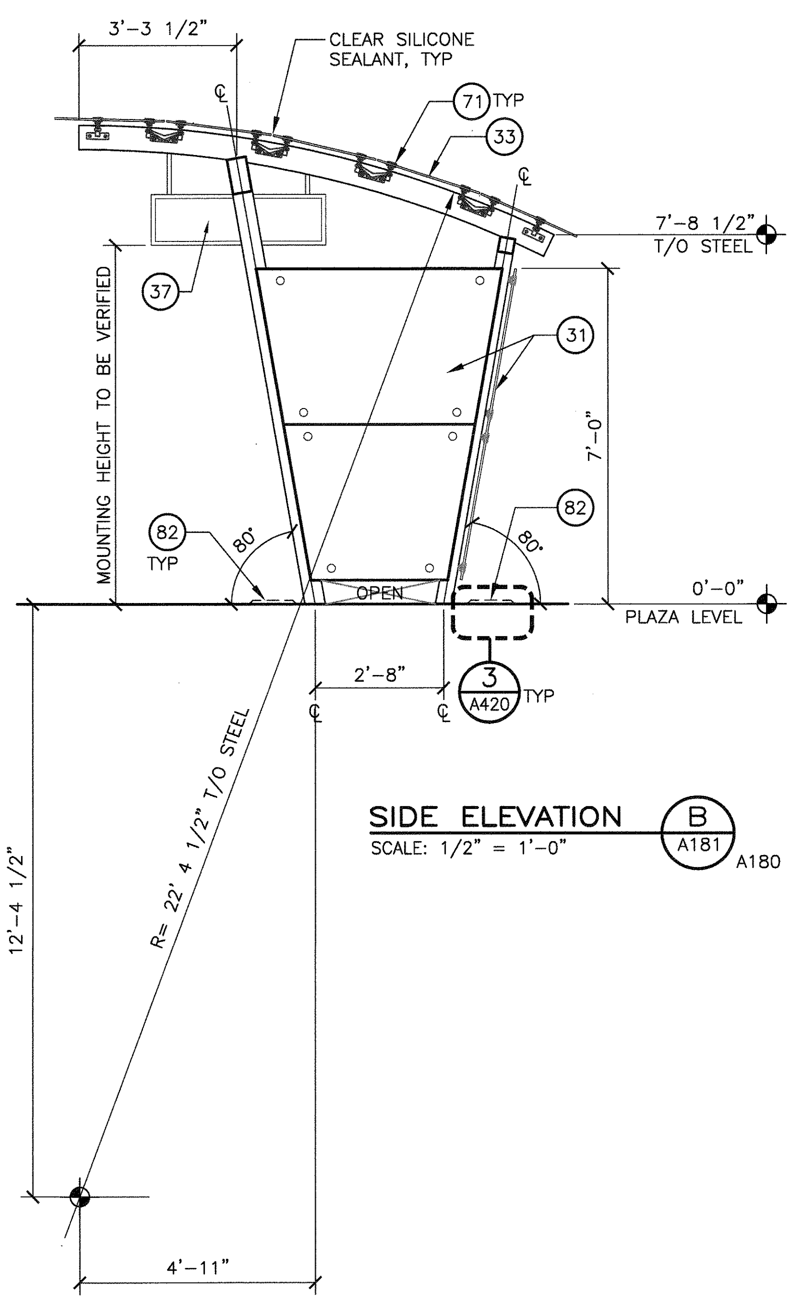
BUS SHELTER
FLOOR AND ROOF PLANS

CADD FILENAME
DB-A180-P.dwg
SIZE: D
SCALE 1/2"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A180
PAGE NO. 084



FRONT ELEVATION A A181 A180

SCALE: 1/2" = 1'–0"



SIDE ELEVATION B A181 A180

SCALE: 1/2" = 1'–0"

KEY NOTE:

REFER LANDSCAPE AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION

KEY NOTES:

31	9/16" CLEAR, TEMPERED, LAMINATED STRUCTURAL GLASS W/ ANTIGRAFITTI SHEET BOTH SIDES
33	9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
37	VARIABLE MESSAGING SYSTEM. OWNER SUPPLIED, CONTRACTOR INSTALLED.
43	LEANING RAIL
46	BENCH
71	POINT SUPPORTED GLASS FITTING
82	WALKING DETERRENT

1' 0' 1' 2' 3' 4' 5'

GRAPHIC SCALE

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
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DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
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SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

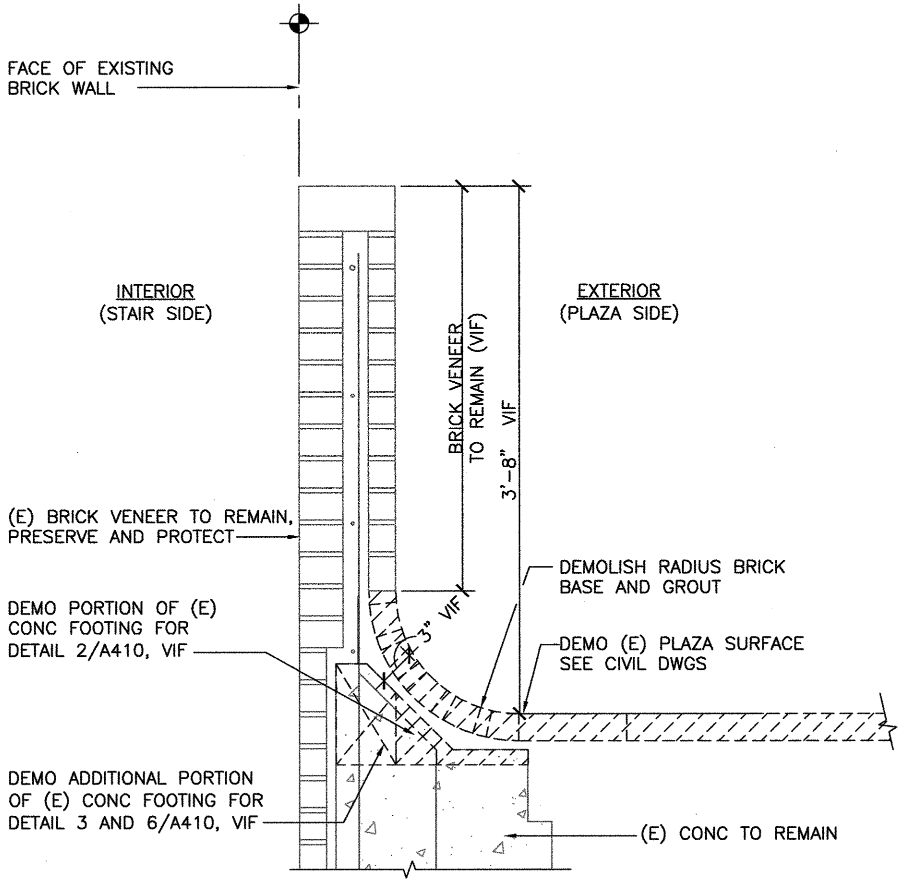
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

BUS SHELTER
ELEVATIONS

CADD FILENAME DB–A181–P.dwg
SIZE: D
SCALE 1/2"=1'–0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A181
PAGE NO. 085

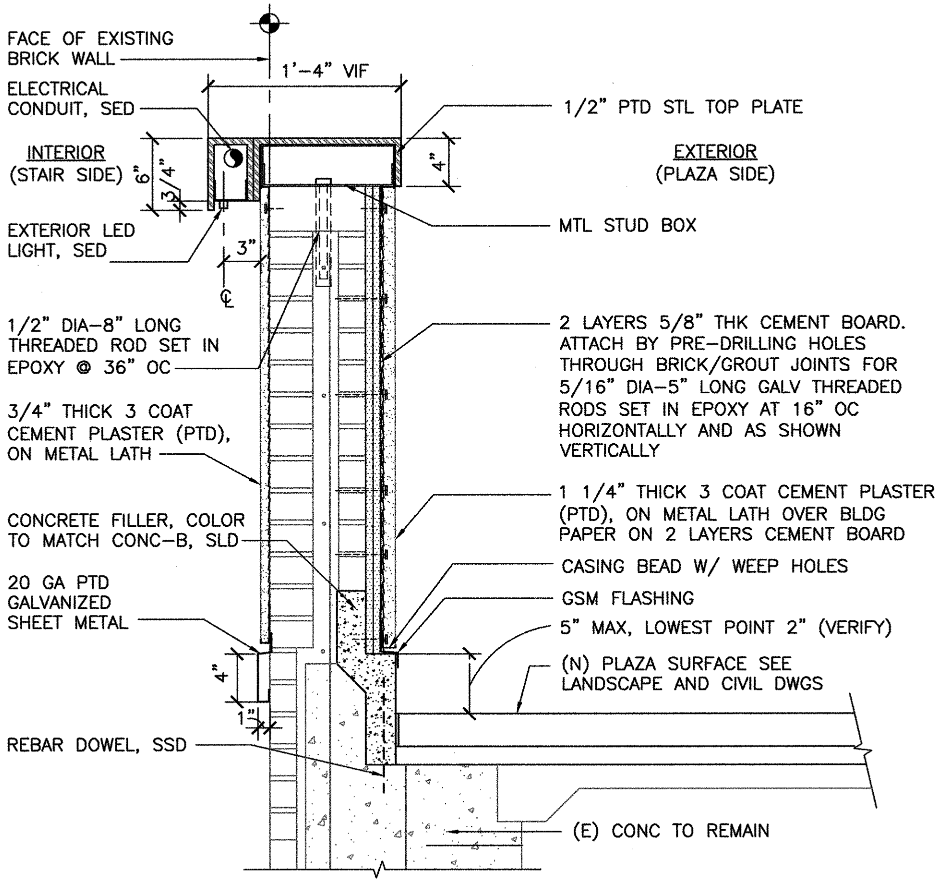
FMGoak2 Dec 17, 2015 - 11:34am V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A181-P.dwg


FACE OF EXISTING BRICK WALL
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
BRICK VENEER TO REMAIN (VIF)
3'-8" VIF
(E) BRICK VENEER TO REMAIN, PRESERVE AND PROTECT
DEMOLISH RADIUS BRICK BASE AND GROUT
DEMO PORTION OF (E) CONC FOOTING FOR DETAIL 2/A410, VIF
3" VIF
DEMO (E) PLAZA SURFACE SEE CIVIL DWGS
DEMO ADDITIONAL PORTION OF (E) CONC FOOTING FOR DETAIL 3 AND 6/A410, VIF
(E) CONC TO REMAIN

ENTRANCE PARAPET DEMO DETAIL

1 A410 A110 A120

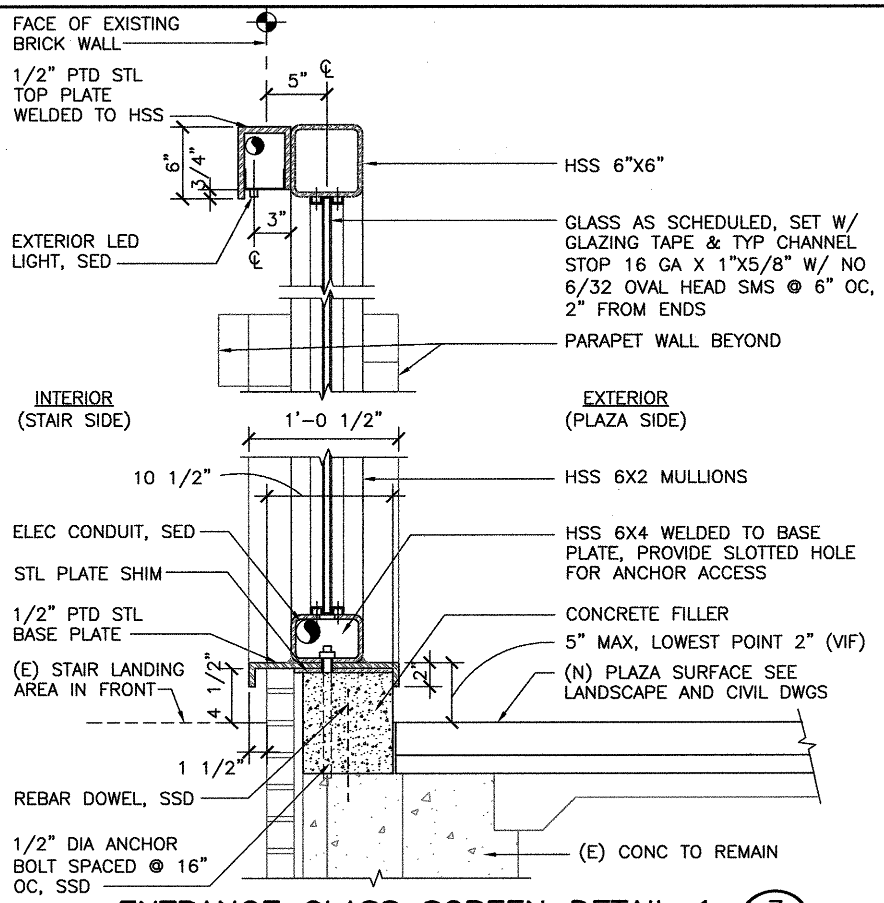
SCALE: 1 1/2 "=1'-0"


FACE OF EXISTING BRICK WALL
1'-4" VIF
ELECTRICAL CONDUIT, SED
1/2" PTD STL TOP PLATE
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
6"
3/4"
4"
EXTERIOR LED LIGHT, SED
3"
MTL STUD BOX
1/2" DIA-8" LONG THREADED ROD SET IN EPOXY @ 36" OC
2 LAYERS 5/8" THK CEMENT BOARD. ATTACH BY PRE-DRILLING HOLES THROUGH BRICK/GROUT JOINTS FOR 5/16" DIA-5" LONG GALV THREADED RODS SET IN EPOXY AT 16" OC HORIZONTALLY AND AS SHOWN VERTICALLY
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH
1 1/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH OVER BLDG PAPER ON 2 LAYERS CEMENT BOARD
CONCRETE FILLER, COLOR TO MATCH CONC-B, SLD
CASING BEAD W/ WEEP HOLES
20 GA PTD GALVANIZED SHEET METAL
GSM FLASHING
5" MAX, LOWEST POINT 2" (VERIFY)
4"
1"
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
REBAR DOWEL, SSD
(E) CONC TO REMAIN

ENTRANCE PARAPET DETAIL

2 A410 A110 A111 A120

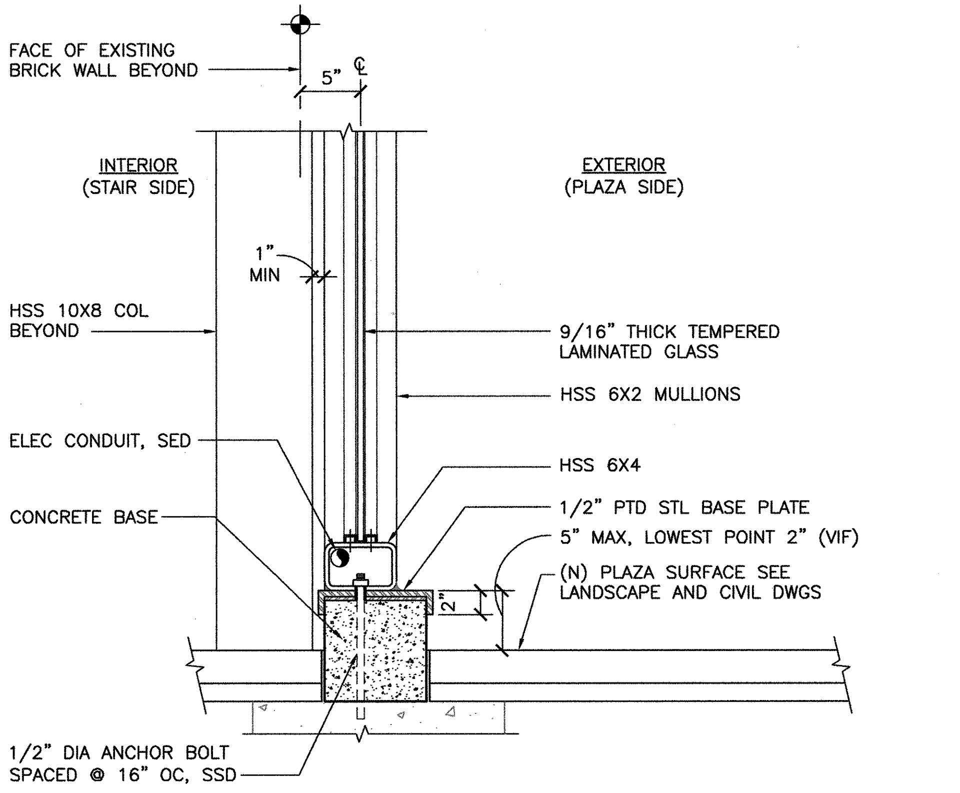
SCALE: 1 1/2"=1'-0"


FACE OF EXISTING BRICK WALL
1/2" PTD STL TOP PLATE WELDED TO HSS
5"
HSS 6"X6"
6"
3/4"
3"
EXTERIOR LED LIGHT, SED
GLASS AS SCHEDULED, SET W/ GLAZING TAPE & TYP CHANNEL STOP 16 GA X 1"X5/8" W/ NO 6/32 OVAL HEAD SMS @ 6" OC, 2" FROM ENDS
PARAPET WALL BEYOND
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
1'-0 1/2"
10 1/2"
HSS 6X2 MULLIONS
ELEC CONDUIT, SED
HSS 6X4 WELDED TO BASE PLATE, PROVIDE SLOTTED HOLE FOR ANCHOR ACCESS
STL PLATE SHIM
CONCRETE FILLER
1/2" PTD STL BASE PLATE
5" MAX, LOWEST POINT 2" (VIF)
(E) STAIR LANDING AREA IN FRONT
4 1/2"
2"
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
1 1/2"
REBAR DOWEL, SSD
1/2" DIA ANCHOR BOLT SPACED @ 16" OC, SSD
(E) CONC TO REMAIN

ENTRANCE GLASS SCREEN DETAIL 1

3 A410 A110 A111 A120

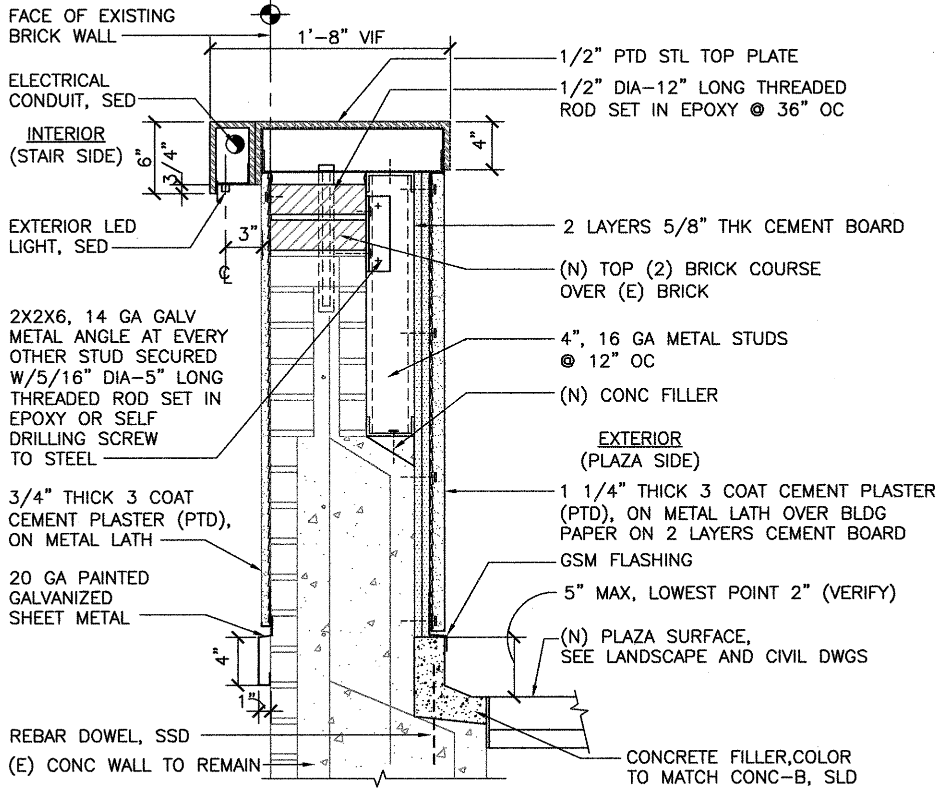
SCALE: 1 1/2"=1'-0"


FACE OF EXISTING BRICK WALL BEYOND
5"
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
1" MIN
HSS 10X8 COL BEYOND
9/16" THICK TEMPERED LAMINATED GLASS
HSS 6X2 MULLIONS
ELEC CONDUIT, SED
HSS 6X4
CONCRETE BASE
1/2" PTD STL BASE PLATE
5" MAX, LOWEST POINT 2" (VIF)
2"
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
1/2" DIA ANCHOR BOLT SPACED @ 16" OC, SSD

ENTRANCE GLASS SCREEN DETAIL 2

4 A410 A110 A160 A120

SCALE: 1 1/2"=1'-0"


FACE OF EXISTING BRICK WALL
1'-8" VIF
1/2" PTD STL TOP PLATE
1/2" DIA-12" LONG THREADED ROD SET IN EPOXY @ 36" OC
ELECTRICAL CONDUIT, SED
INTERIOR (STAIR SIDE)
6"
3/4"
4"
EXTERIOR LED LIGHT, SED
3"
2 LAYERS 5/8" THK CEMENT BOARD
(N) TOP (2) BRICK COURSE OVER (E) BRICK
2X2X6, 14 GA GALV METAL ANGLE AT EVERY OTHER STUD SECURED W/5/16" DIA-5" LONG THREADED ROD SET IN EPOXY OR SELF DRILLING SCREW TO STEEL
4", 16 GA METAL STUDS @ 12" OC
(N) CONC FILLER
EXTERIOR (PLAZA SIDE)
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH
1 1/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH OVER BLDG PAPER ON 2 LAYERS CEMENT BOARD
20 GA PAINTED GALVANIZED SHEET METAL
GSM FLASHING
5" MAX, LOWEST POINT 2" (VERIFY)
4"
1"
(N) PLAZA SURFACE, SEE LANDSCAPE AND CIVIL DWGS
REBAR DOWEL, SSD
(E) CONC WALL TO REMAIN
CONCRETE FILLER,COLOR TO MATCH CONC-B, SLD

ENTRANCE PARAPET DETAIL

5 A410 A110 A120

SCALE: 1 1/2"=1'-0"

ClaudiaU Dec 23, 2015 - 1:40pm \\FMG-SERVER\Victor\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A410-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

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APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
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SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

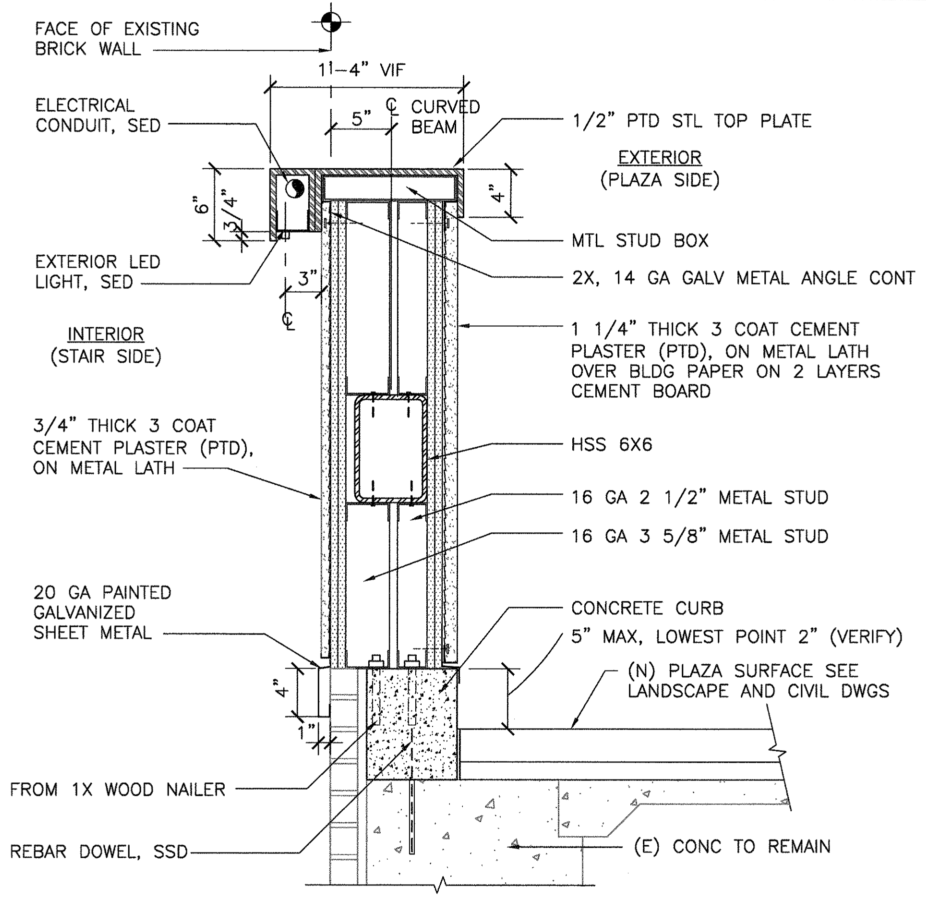
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 1
DETAILS

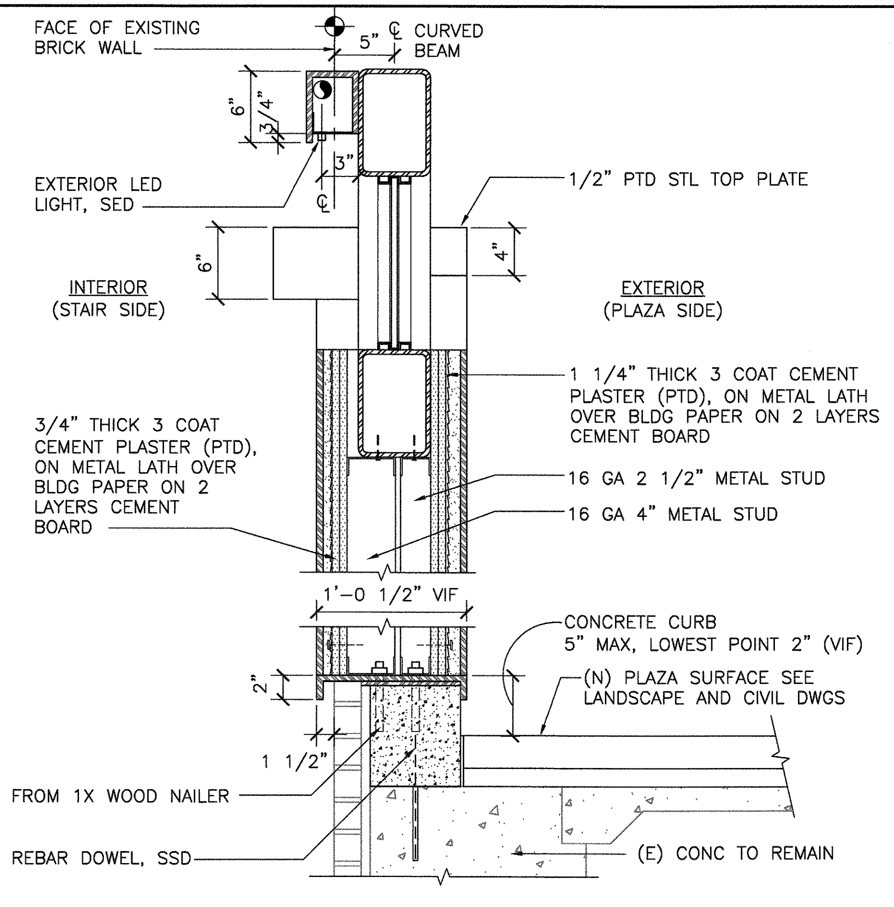
CADD FILENAME DB-A410-P.dwg
SIZE: D
SCALE: 1 1/2"= 1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A410
PAGE NO. 086


FACE OF EXISTING BRICK WALL
1'-4" VIF
ELECTRICAL CONDUIT, SED
5"
℄ CURVED BEAM
1/2" PTD STL TOP PLATE
EXTERIOR (PLAZA SIDE)
6"
3/4"
4"
EXTERIOR LED LIGHT, SED
3"
℄
MTL STUD BOX
2X, 14 GA GALV METAL ANGLE CONT
INTERIOR (STAIR SIDE)
1 1/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH OVER BLDG PAPER ON 2 LAYERS CEMENT BOARD
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH
HSS 6X6
16 GA 2 1/2" METAL STUD
16 GA 3 5/8" METAL STUD
20 GA PAINTED GALVANIZED SHEET METAL
CONCRETE CURB
5" MAX, LOWEST POINT 2" (VERIFY)
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
4"
1"
FROM 1X WOOD NAILER
REBAR DOWEL, SSD
(E) CONC TO REMAIN

DETAIL @ EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"

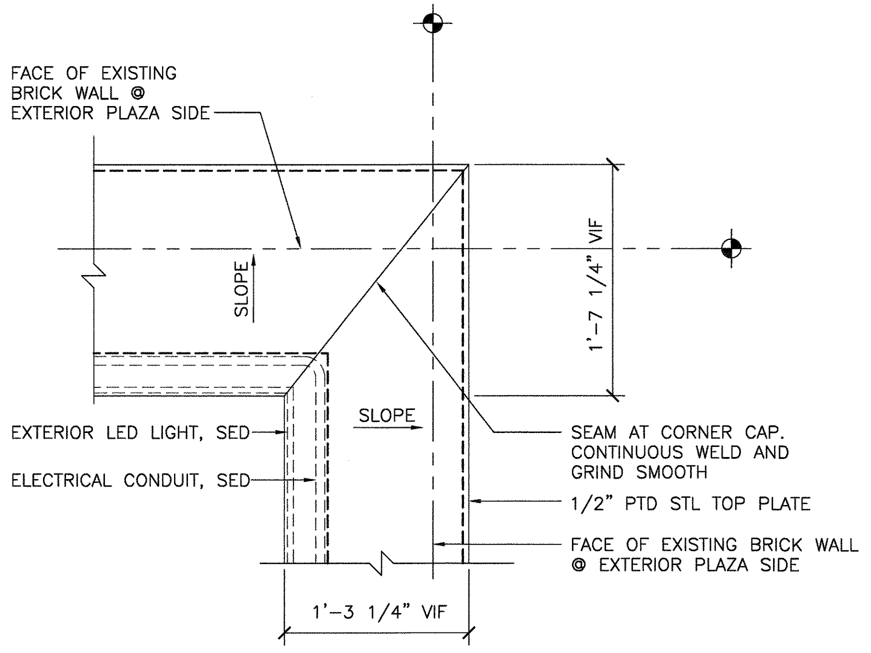
1
A411
A111


FACE OF EXISTING BRICK WALL
5"
℄ CURVED BEAM
6"
3/4"
3"
℄
EXTERIOR LED LIGHT, SED
1/2" PTD STL TOP PLATE
6"
4"
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
1 1/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH OVER BLDG PAPER ON 2 LAYERS CEMENT BOARD
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH OVER BLDG PAPER ON 2 LAYERS CEMENT BOARD
16 GA 2 1/2" METAL STUD
16 GA 4" METAL STUD
1'-0 1/2" VIF
CONCRETE CURB
5" MAX, LOWEST POINT 2" (VIF)
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
2"
1 1/2"
FROM 1X WOOD NAILER
REBAR DOWEL, SSD
(E) CONC TO REMAIN

DETAIL @ EXTERIOR WALL

SCALE: 1 1/2" = 1'-0"

2
A411
A111
A160


FACE OF EXISTING BRICK WALL @ EXTERIOR PLAZA SIDE
1'-7 1/4" VIF
SLOPE
SLOPE
EXTERIOR LED LIGHT, SED
ELECTRICAL CONDUIT, SED
SEAM AT CORNER CAP. CONTINUOUS WELD AND GRIND SMOOTH
1/2" PTD STL TOP PLATE
FACE OF EXISTING BRICK WALL @ EXTERIOR PLAZA SIDE
1'-3 1/4" VIF

CAP @ EXTERIOR WALL CORNER

SCALE: 1 1/2" = 1'-0"

3
A411
A111
A120

FMGook2 Dec 17, 2015 – 2:32pm V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A411-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: L. CANLAS
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

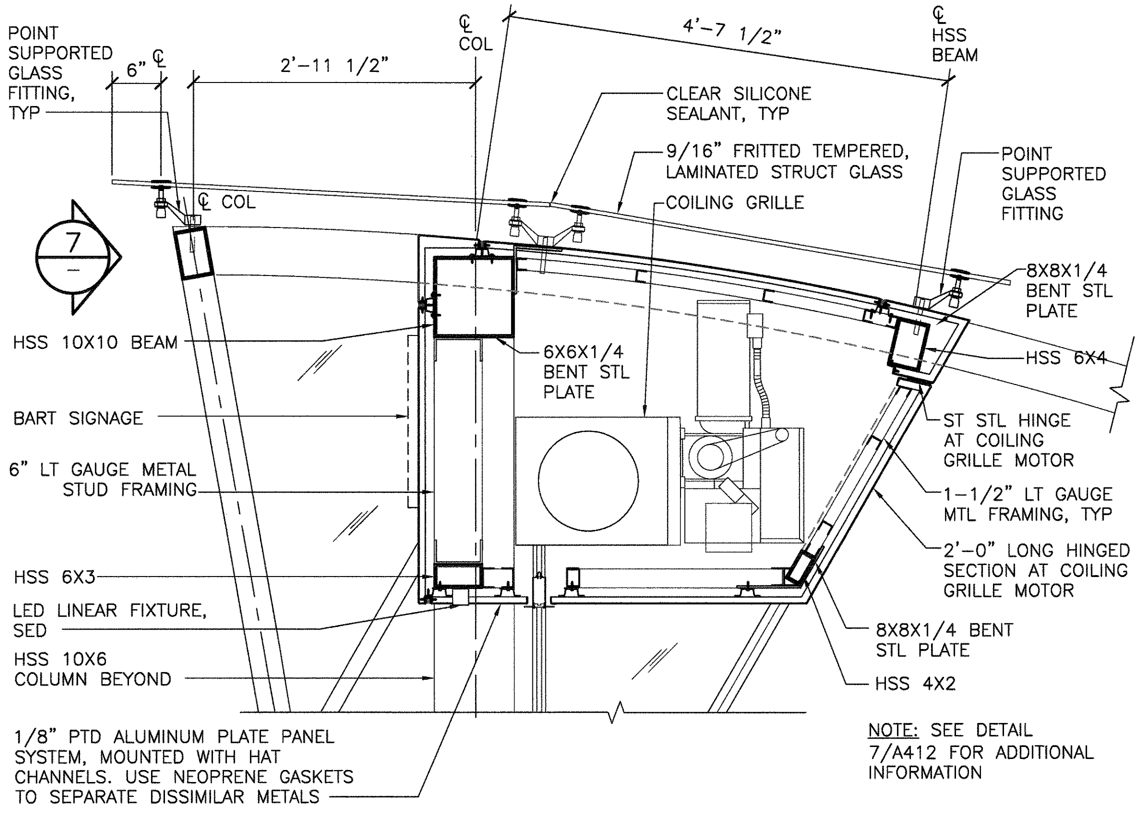
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

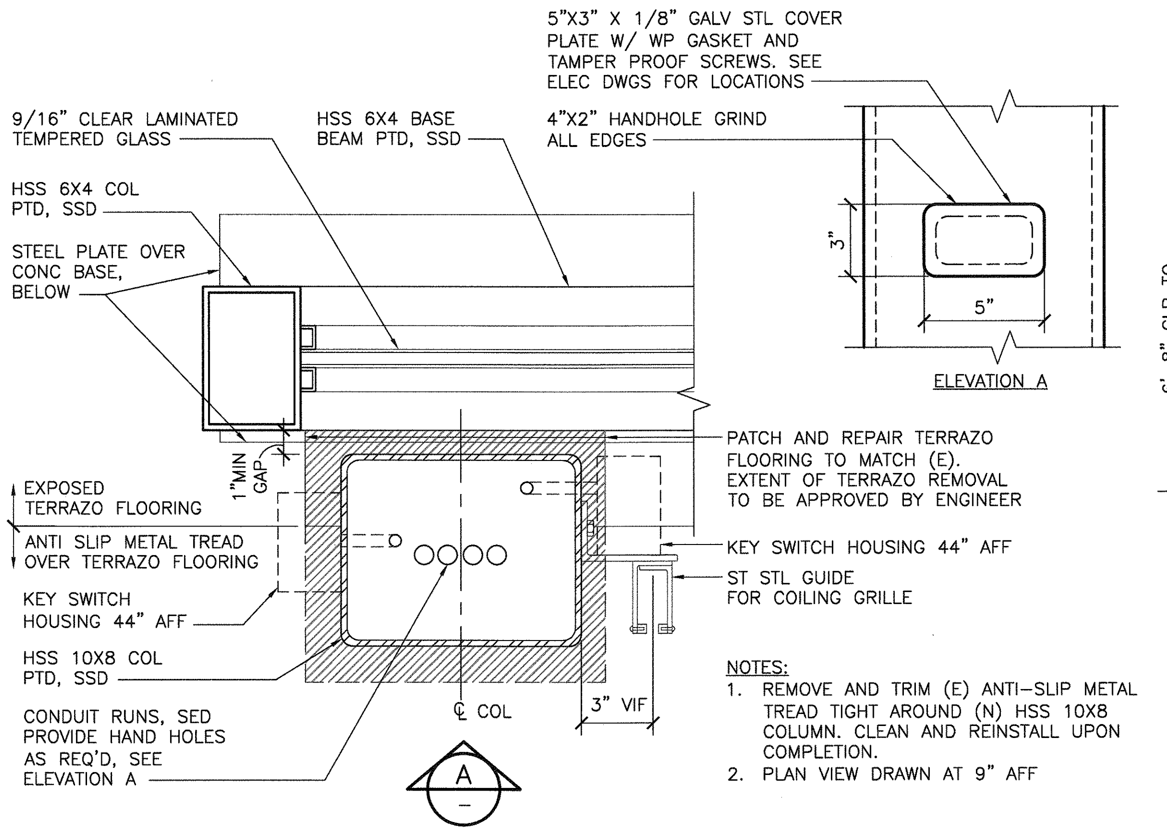
ENTRANCE 1, 2, 4, 5, 6 DETAILS
SHEET 1 OF 2

CADD FILENAME DB-A411-P.dwg
SIZE: D
SCALE 1 1/2"= 1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A411
PAGE NO. 87


POINT SUPPORTED GLASS FITTING, TYP
6"
℄
2'-11 1/2"
℄ COL
4'-7 1/2"
℄ HSS BEAM
CLEAR SILICONE SEALANT, TYP
9/16" FRITTED TEMPERED, LAMINATED STRUCT GLASS
COILING GRILLE
POINT SUPPORTED GLASS FITTING
℄ COL
7
–
8X8X1/4 BENT STL PLATE
HSS 10X10 BEAM
6X6X1/4 BENT STL PLATE
HSS 6X4
BART SIGNAGE
ST STL HINGE AT COILING GRILLE MOTOR
6" LT GAUGE METAL STUD FRAMING
1-1/2" LT GAUGE MTL FRAMING, TYP
2'-0" LONG HINGED SECTION AT COILING GRILLE MOTOR
HSS 6X3
LED LINEAR FIXTURE, SED
8X8X1/4 BENT STL PLATE
HSS 10X6 COLUMN BEYOND
HSS 4X2
1/8" PTD ALUMINUM PLATE PANEL SYSTEM, MOUNTED WITH HAT CHANNELS. USE NEOPRENE GASKETS TO SEPARATE DISSIMILAR METALS

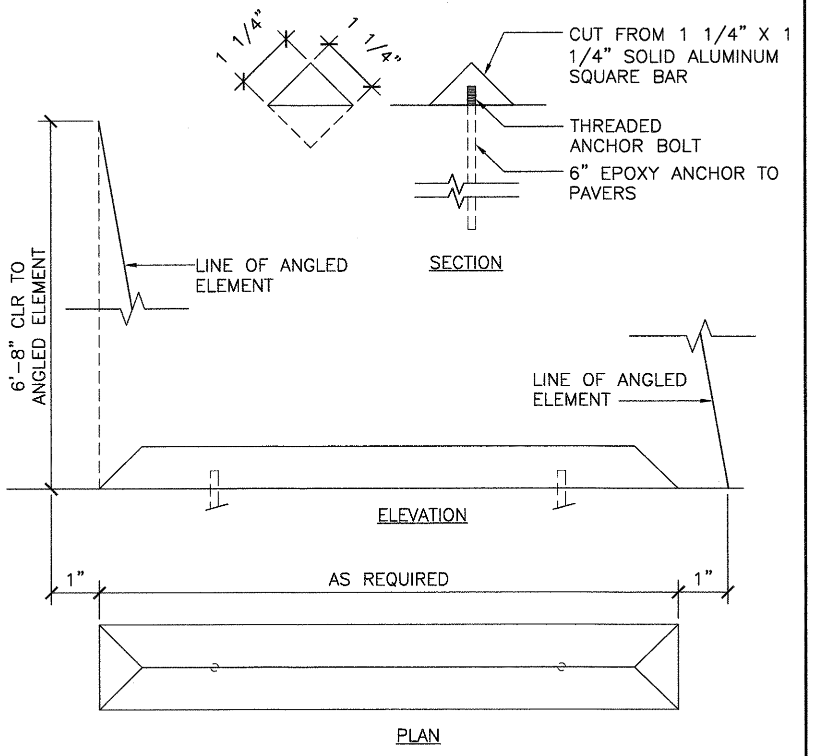
NOTE: SEE DETAIL 7/A412 FOR ADDITIONAL INFORMATION

OVERHEAD COILING GRILLE
SCALE: 1" = 1'-0"
1
A412
A111
A160
A162

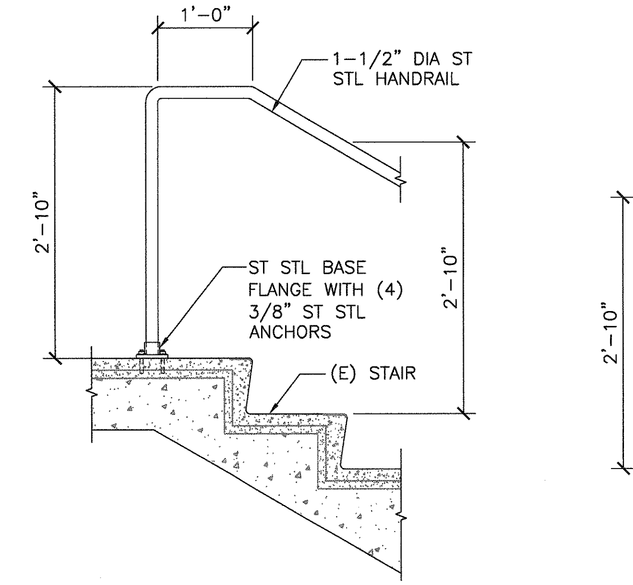

9/16" CLEAR LAMINATED TEMPERED GLASS
HSS 6X4 BASE BEAM PTD, SSD
HSS 6X4 COL PTD, SSD
STEEL PLATE OVER CONC BASE, BELOW
1"MIN GAP
EXPOSED TERRAZO FLOORING
ANTI SLIP METAL TREAD OVER TERRAZO FLOORING
KEY SWITCH HOUSING 44" AFF
HSS 10X8 COL PTD, SSD
CONDUIT RUNS, SED PROVIDE HAND HOLES AS REQ'D, SEE ELEVATION A
℄ COL
3" VIF
A
–
5"X3" X 1/8" GALV STL COVER PLATE W/ WP GASKET AND TAMPER PROOF SCREWS. SEE ELEC DWGS FOR LOCATIONS
4"X2" HANDHOLE GRIND ALL EDGES
3"
5"
ELEVATION A
PATCH AND REPAIR TERRAZO FLOORING TO MATCH (E). EXTENT OF TERRAZO REMOVAL TO BE APPROVED BY ENGINEER
KEY SWITCH HOUSING 44" AFF
ST STL GUIDE FOR COILING GRILLE

NOTES:
1. REMOVE AND TRIM (E) ANTI-SLIP METAL TREAD TIGHT AROUND (N) HSS 10X8 COLUMN. CLEAN AND REINSTALL UPON COMPLETION.
2. PLAN VIEW DRAWN AT 9" AFF

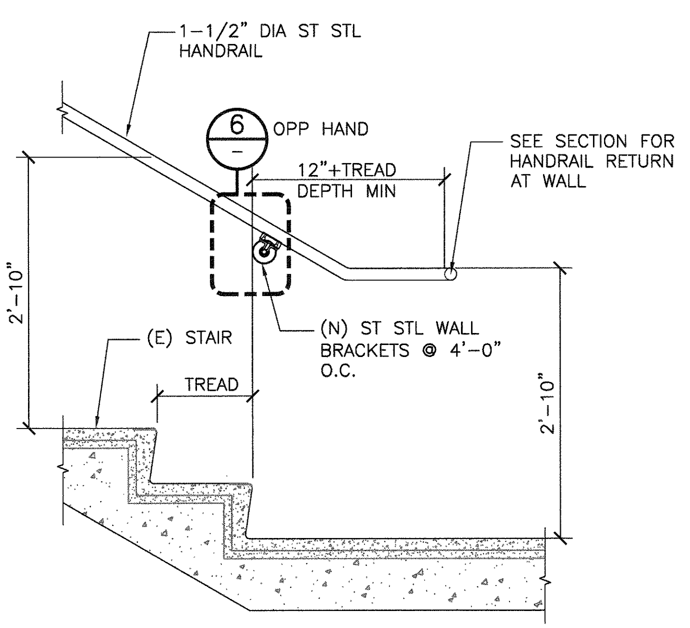
COILING GRILLE GUIDE DETAIL
SCALE: 3" = 1'-0"
2
A412
A110
A120



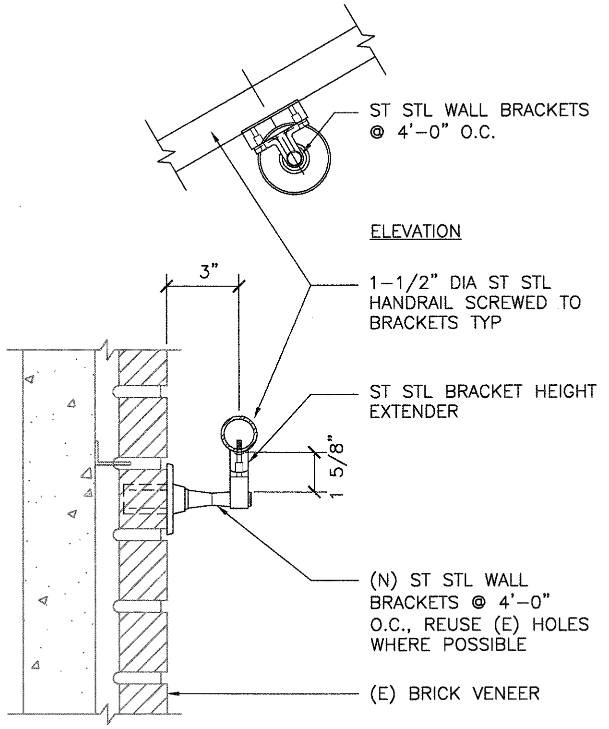
WALKING DETERRENT DETAIL
SCALE: 6" = 1'-0"
3
A412
A111
A120
A180
A412


1'-0"
1-1/2" DIA ST STL HANDRAIL
2'-10"
2'-10"
ST STL BASE FLANGE WITH (4) 3/8" ST STL ANCHORS
(E) STAIR

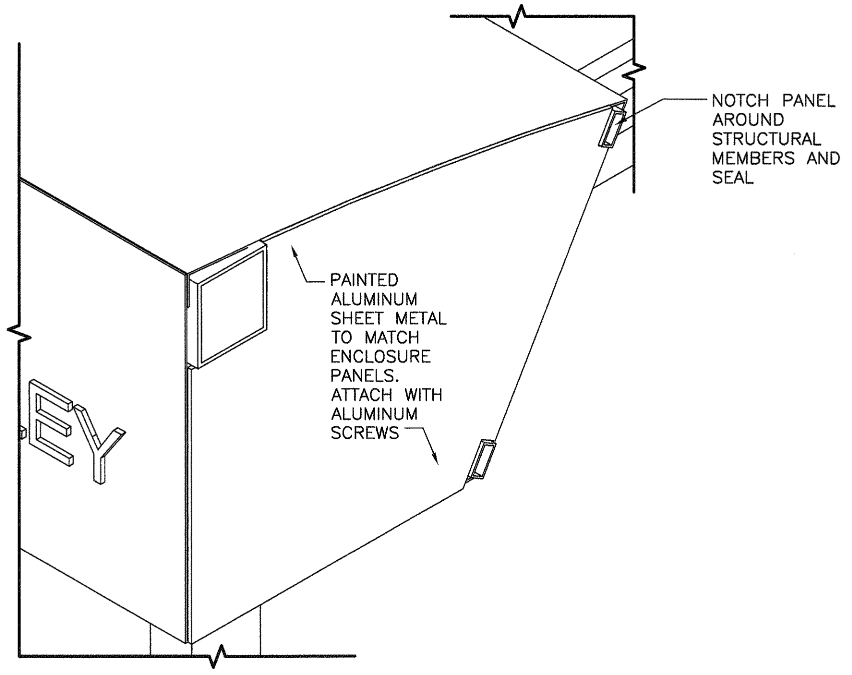
TOP HANDRAIL EXTENSION @ STAIRS
SCALE: 1" = 1'-0"
ELEVATION
4
A412
A111


1-1/2" DIA ST STL HANDRAIL
6
–
OPP HAND
12"+TREAD DEPTH MIN
SEE SECTION FOR HANDRAIL RETURN AT WALL
2'-10"
(E) STAIR
TREAD
(N) ST STL WALL BRACKETS @ 4'-0" O.C.
2'-10"

BOTTOM HANDRAIL EXTENSION @ STAIRS
SCALE: 1" = 1'-0"
ELEVATION
5
A412
A111


ST STL WALL BRACKETS @ 4'-0" O.C.
ELEVATION
3"
1-1/2" DIA ST STL HANDRAIL SCREWED TO BRACKETS TYP
ST STL BRACKET HEIGHT EXTENDER
1 5/8"
(N) ST STL WALL BRACKETS @ 4'-0" O.C., REUSE (E) HOLES WHERE POSSIBLE
(E) BRICK VENEER

HANDRAIL SUPPORT DETAIL
SCALE: 3" = 1'-0"
SECTION
6
A412


NOTCH PANEL AROUND STRUCTURAL MEMBERS AND SEAL
PAINTED ALUMINUM SHEET METAL TO MATCH ENCLOSURE PANELS. ATTACH WITH ALUMINUM SCREWS
EY

OVERHEAD COILING GRILLE ENCLOSURE
SCALE: NO SCALE
7
A412

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

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CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

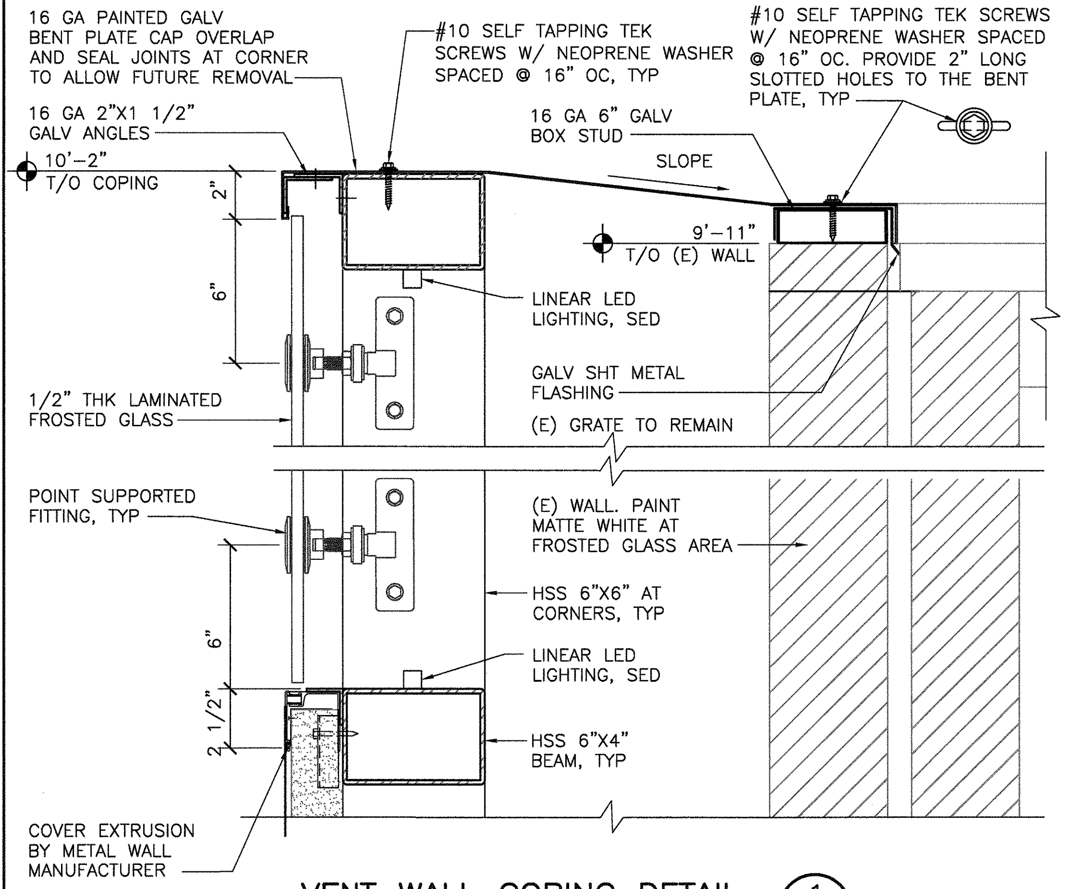
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

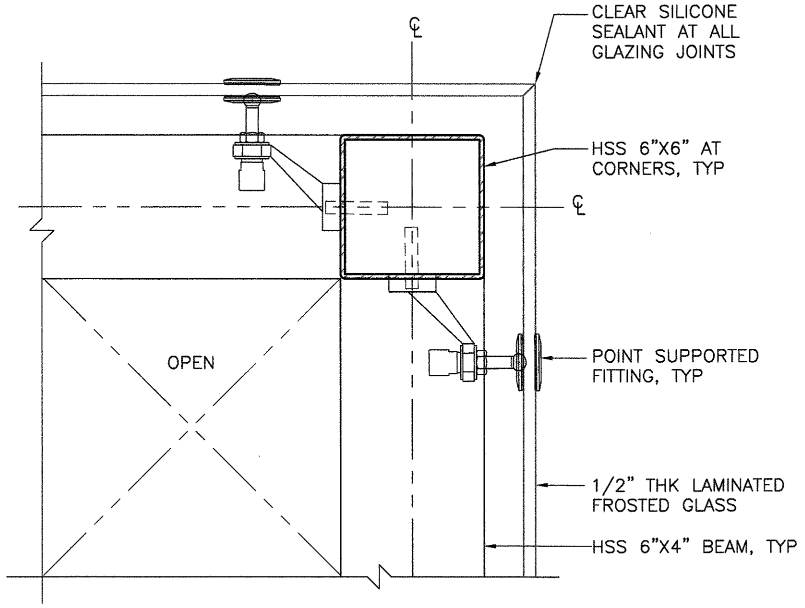
ENTRANCE 1, 2, 4, 5, 6 DETAILS
SHEET 2 OF 2

CADD FILENAME: DB-A412-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A412
PAGE NO.: 088

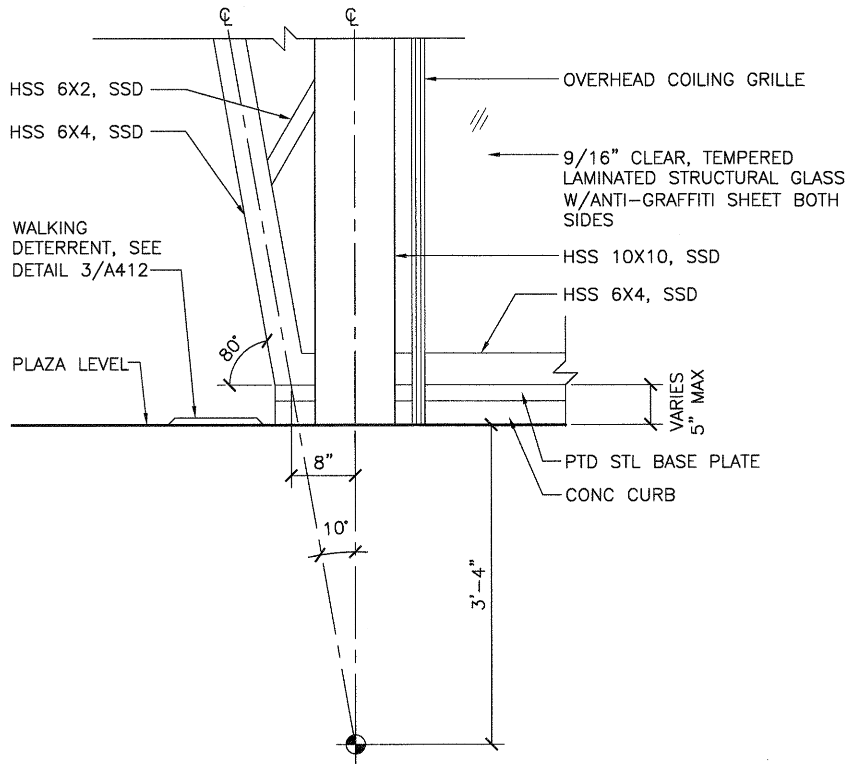
FMGoak2 Dec 17, 2015 - 2:32pm V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A412-P.dwg


16 GA PAINTED GALV BENT PLATE CAP OVERLAP AND SEAL JOINTS AT CORNER TO ALLOW FUTURE REMOVAL
#10 SELF TAPPING TEK SCREWS W/ NEOPRENE WASHER SPACED @ 16" OC, TYP
#10 SELF TAPPING TEK SCREWS W/ NEOPRENE WASHER SPACED @ 16" OC. PROVIDE 2" LONG SLOTTED HOLES TO THE BENT PLATE, TYP
16 GA 2"X1 1/2" GALV ANGLES
16 GA 6" GALV BOX STUD
SLOPE
10'-2"
T/O COPING
2"
9'-11"
T/O (E) WALL
LINEAR LED LIGHTING, SED
6"
GALV SHT METAL FLASHING
1/2" THK LAMINATED FROSTED GLASS
(E) GRATE TO REMAIN
POINT SUPPORTED FITTING, TYP
(E) WALL. PAINT MATTE WHITE AT FROSTED GLASS AREA
HSS 6"X6" AT CORNERS, TYP
6"
LINEAR LED LIGHTING, SED
2 1/2"
HSS 6"X4" BEAM, TYP
COVER EXTRUSION BY METAL WALL MANUFACTURER

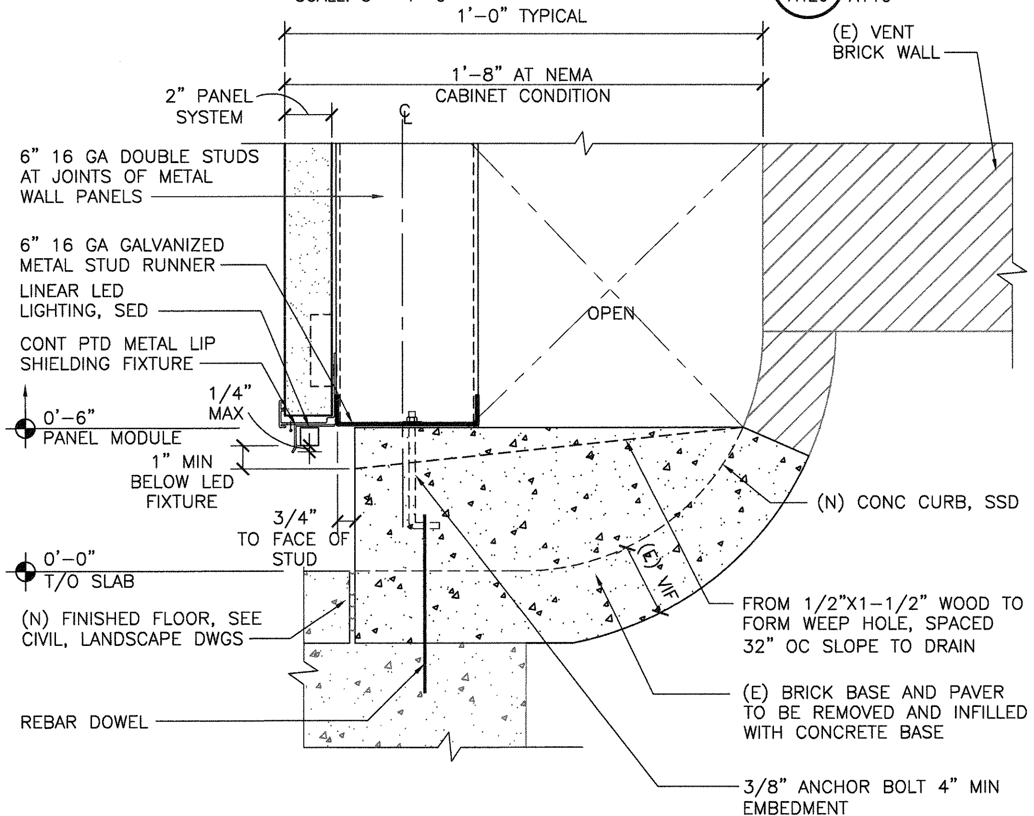
VENT WALL COPING DETAIL
1 A420 A110
SCALE: 3 "=1'-0"


℄
CLEAR SILICONE SEALANT AT ALL GLAZING JOINTS
HSS 6"X6" AT CORNERS, TYP
℄
OPEN
POINT SUPPORTED FITTING, TYP
1/2" THK LAMINATED FROSTED GLASS
HSS 6"X4" BEAM, TYP

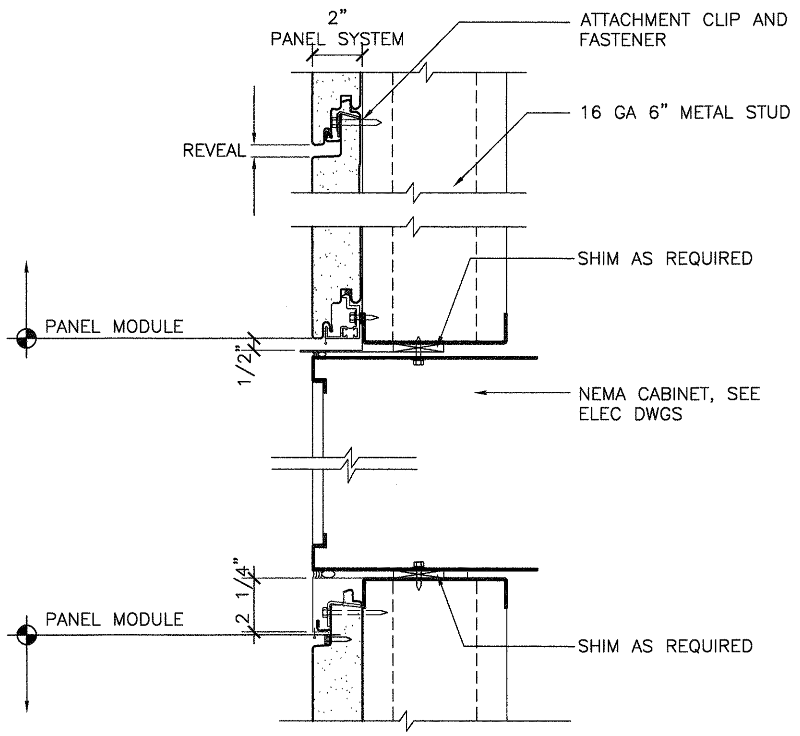
VENT WALL AT CORNER
2 A420 A110
SCALE: 3 "=1'-0"



COLUMN BASE
3 A420 A111 A120 A162 A412
SCALE: 1"=1'-0"


1'-0" TYPICAL
(E) VENT BRICK WALL
1'-8" AT NEMA CABINET CONDITION
2" PANEL SYSTEM
℄
6" 16 GA DOUBLE STUDS AT JOINTS OF METAL WALL PANELS
6" 16 GA GALVANIZED METAL STUD RUNNER
LINEAR LED LIGHTING, SED
OPEN
CONT PTD METAL LIP SHIELDING FIXTURE
1/4" MAX
0'-6"
PANEL MODULE
1" MIN BELOW LED FIXTURE
(N) CONC CURB, SSD
3/4" TO FACE OF STUD
0'-0"
T/O SLAB
(E) VIF
FROM 1/2"X1-1/2" WOOD TO FORM WEEP HOLE, SPACED 32" OC SLOPE TO DRAIN
(N) FINISHED FLOOR, SEE CIVIL, LANDSCAPE DWGS
(E) BRICK BASE AND PAVER TO BE REMOVED AND INFILLED WITH CONCRETE BASE
REBAR DOWEL
3/8" ANCHOR BOLT 4" MIN EMBEDMENT

VENT WALL BASE DETAIL
4 A420 A110
SCALE: 3"=1'-0"



NEMA CABINET DETAIL
5 A420 A111
SCALE: 3 "=1'-0"

FMGoak2 Dec 17, 2015 - 2:34pm V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A420-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID

REV.	DATE	BY	SUB	APP.	DESCRIPTION

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

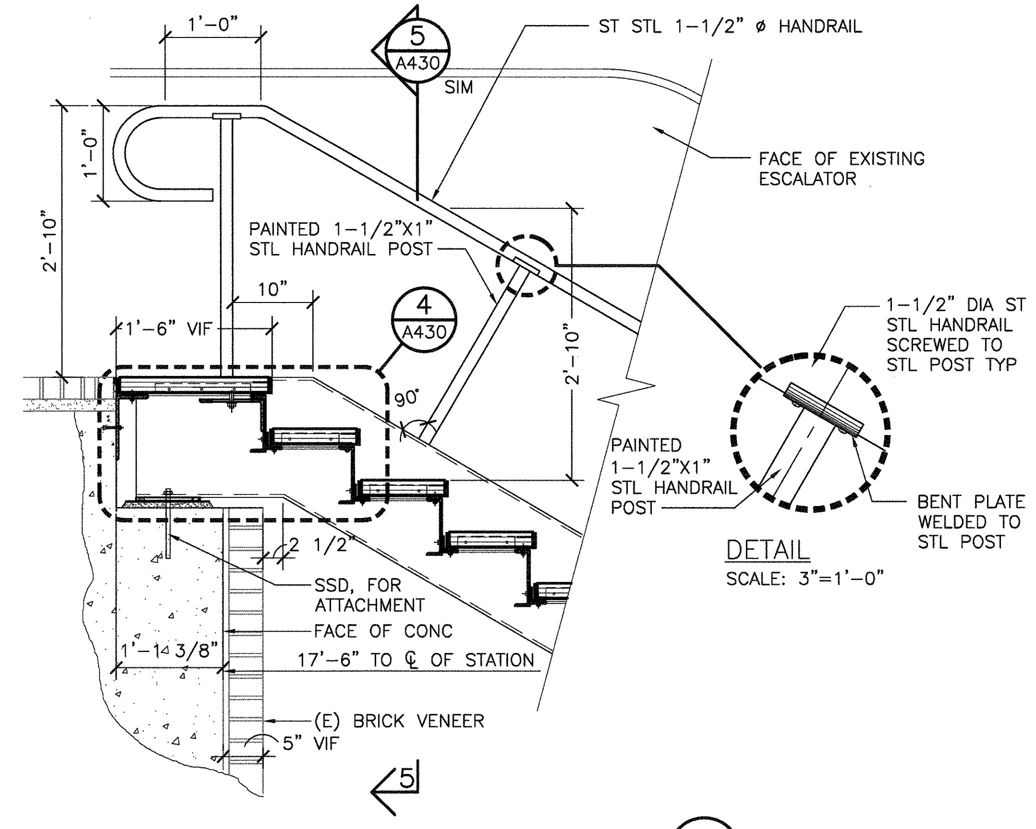
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

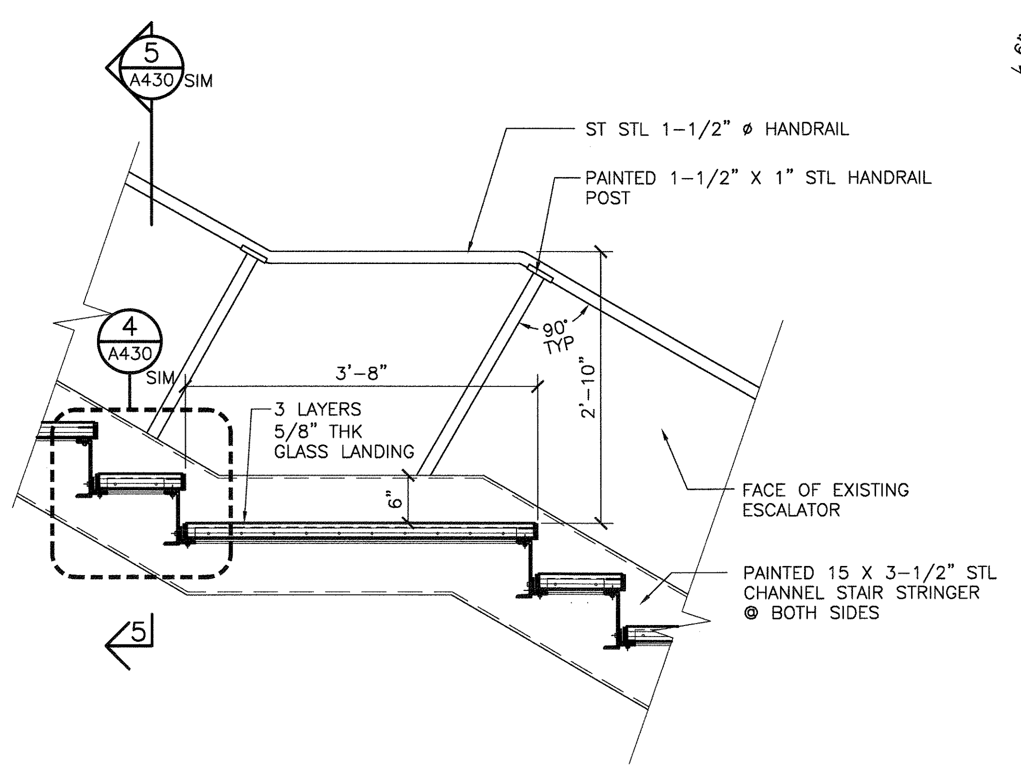
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

DETAILS

CADD FILENAME DB-A420-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A420
PAGE NO. 089

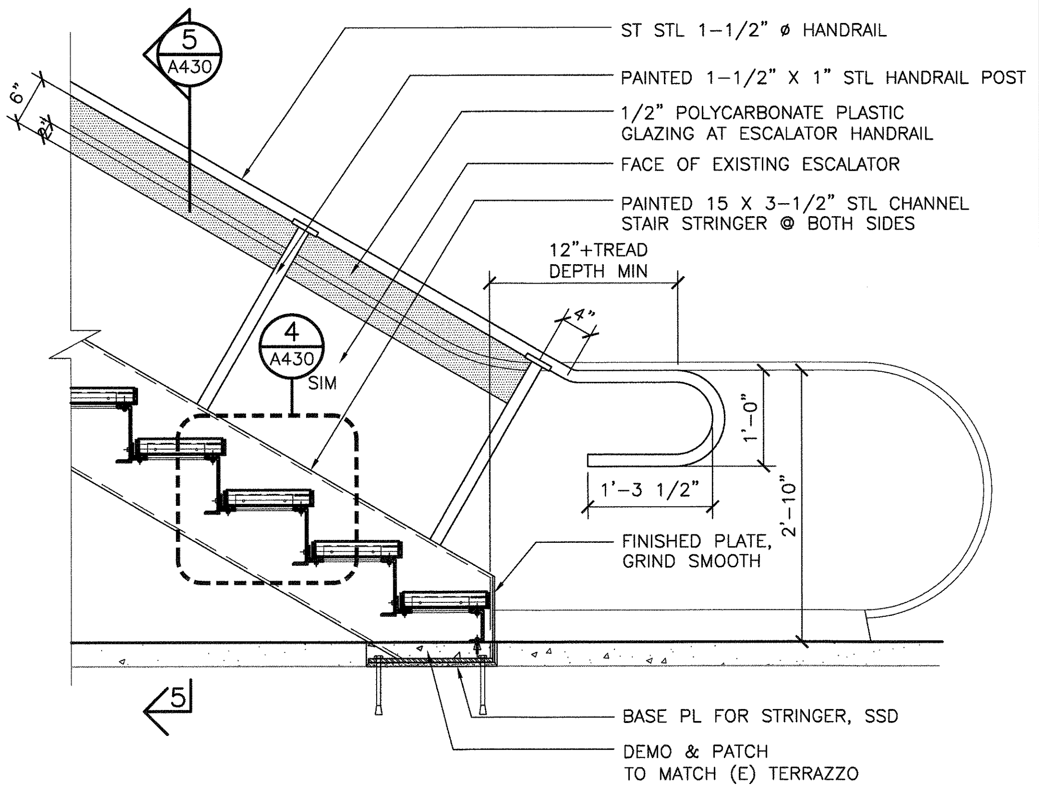


EXTENDED HANDRAIL—TOP LANDING 1 A430 A131
1"=1'-0"



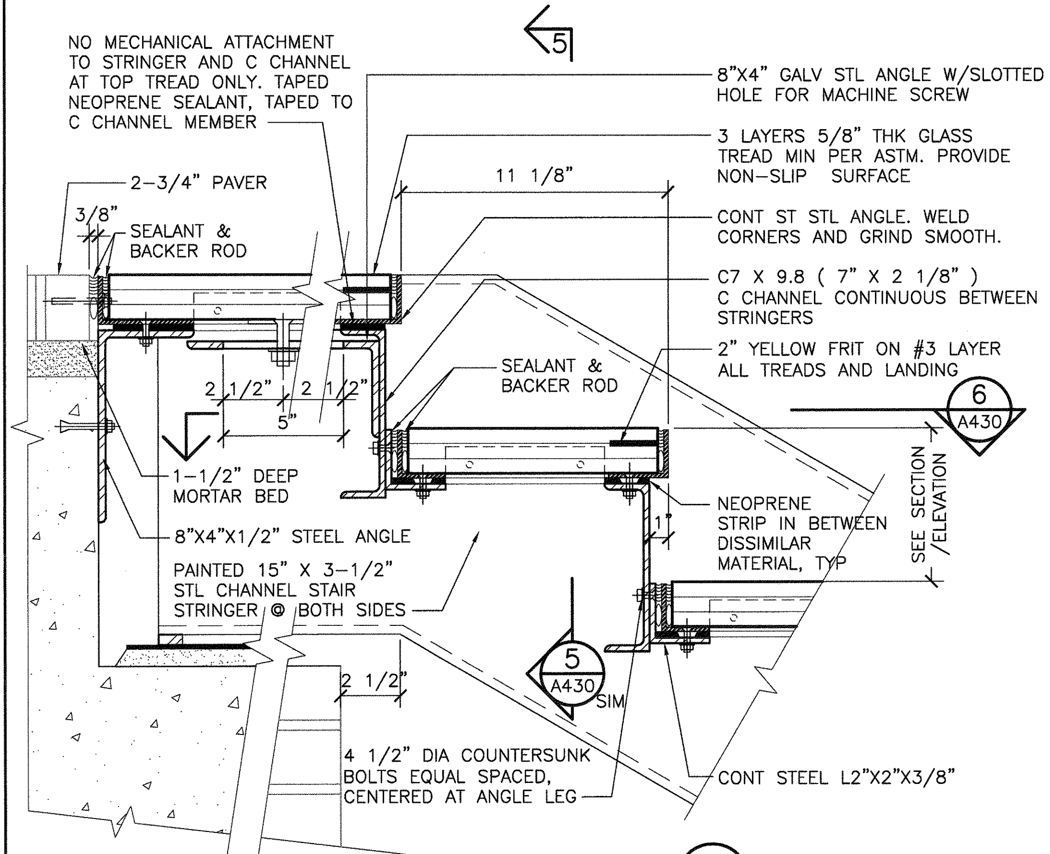
5
A430
SIM
ST STL 1-1/2" ø HANDRAIL
PAINTED 1-1/2" X 1" STL HANDRAIL POST
90° TYP
4
A430
SIM
3'-8"
2'-10"
3 LAYERS 5/8" THK GLASS LANDING
6"
FACE OF EXISTING ESCALATOR
PAINTED 15 X 3-1/2" STL CHANNEL STAIR STRINGER @ BOTH SIDES
5

STAIR LANDING 2 A430 A131
1"=1'-0"



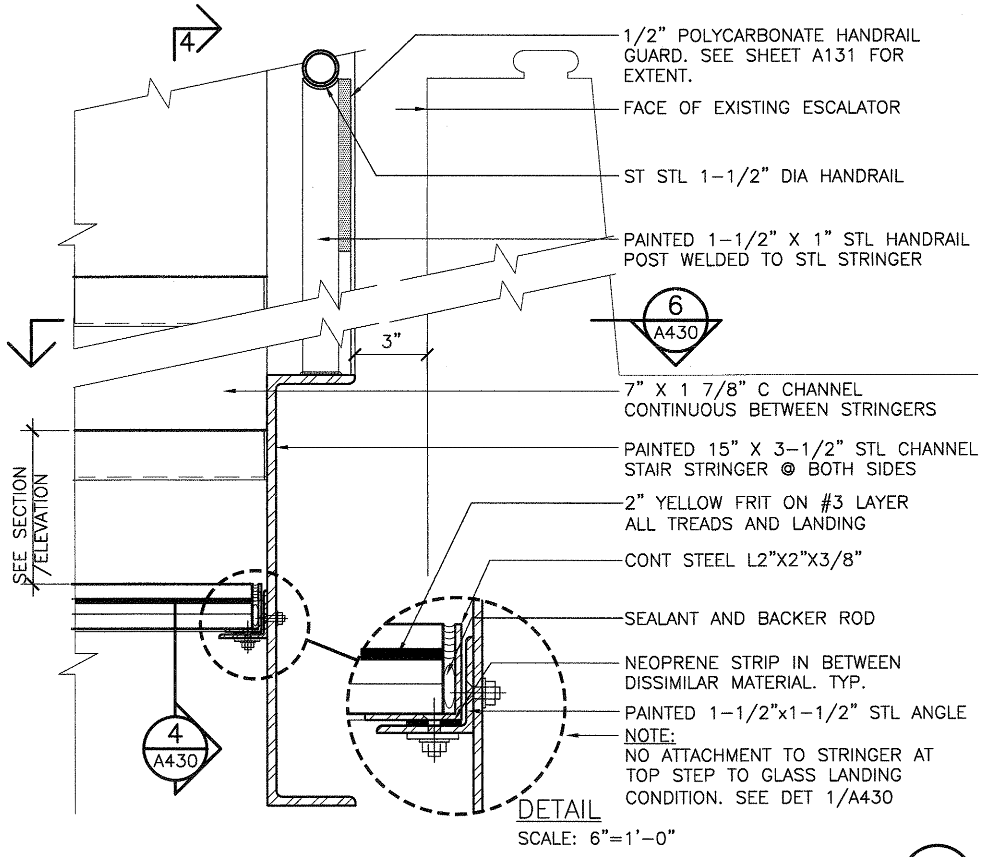
5
A430
6"
ST STL 1-1/2" ø HANDRAIL
PAINTED 1-1/2" X 1" STL HANDRAIL POST
1/2" POLYCARBONATE PLASTIC GLAZING AT ESCALATOR HANDRAIL
FACE OF EXISTING ESCALATOR
PAINTED 15 X 3-1/2" STL CHANNEL STAIR STRINGER @ BOTH SIDES
12"+TREAD DEPTH MIN
4"
4
A430
SIM
1'-0"
1'-3 1/2"
2'-10"
FINISHED PLATE, GRIND SMOOTH
BASE PL FOR STRINGER, SSD
DEMO & PATCH TO MATCH (E) TERRAZZO
5

EXTENDED HANDRAIL—BOTTOM LANDING 3 A430 A131
1"=1'-0"



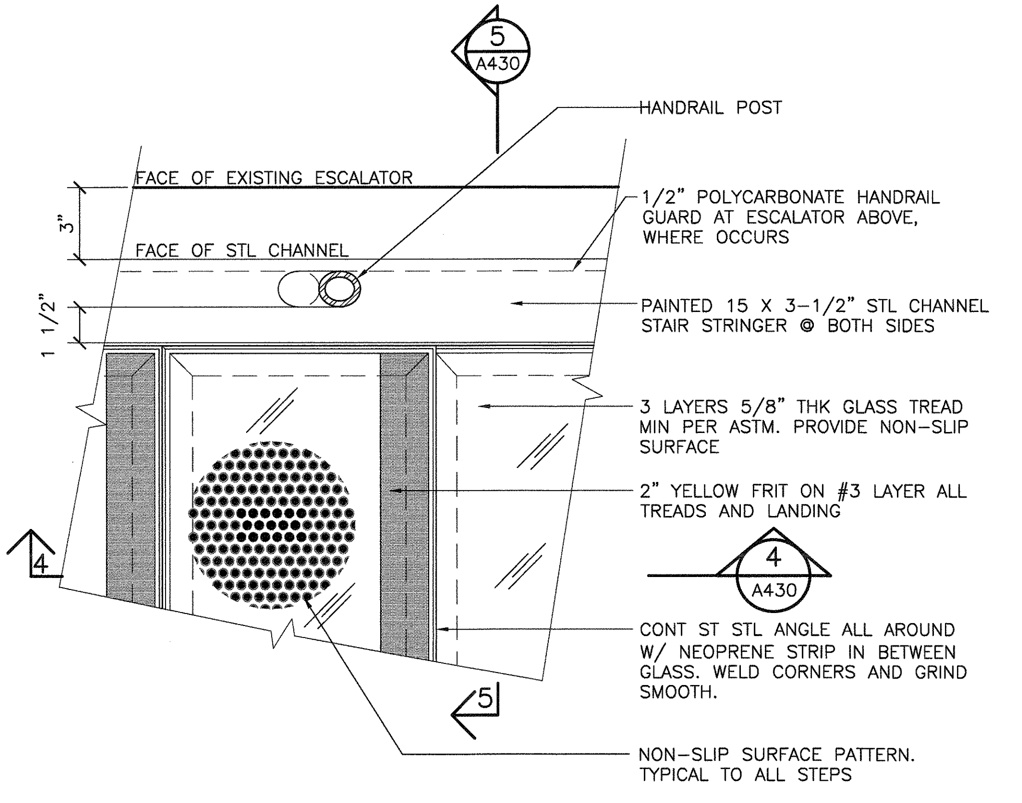
5
NO MECHANICAL ATTACHMENT TO STRINGER AND C CHANNEL AT TOP TREAD ONLY. TAPED NEOPRENE SEALANT, TAPED TO C CHANNEL MEMBER
8"X4" GALV STL ANGLE W/SLOTTED HOLE FOR MACHINE SCREW
2-3/4" PAVER
3 LAYERS 5/8" THK GLASS TREAD MIN PER ASTM. PROVIDE NON-SLIP SURFACE
11 1/8"
3/8"
SEALANT & BACKER ROD
CONT ST STL ANGLE. WELD CORNERS AND GRIND SMOOTH.
C7 X 9.8 (7" X 2 1/8") C CHANNEL CONTINUOUS BETWEEN STRINGERS
2" YELLOW FRIT ON #3 LAYER ALL TREADS AND LANDING
2 1/2"
2 1/2"
5"
SEALANT & BACKER ROD
6
A430
1-1/2" DEEP MORTAR BED
8"X4"X1/2" STEEL ANGLE
NEOPRENE STRIP IN BETWEEN DISSIMILAR MATERIAL, TYP
1"
SEE SECTION /ELEVATION
PAINTED 15" X 3-1/2" STL CHANNEL STAIR STRINGER @ BOTH SIDES
2 1/2"
5
A430
SIM
4 1/2" DIA COUNTERSUNK BOLTS EQUAL SPACED, CENTERED AT ANGLE LEG
CONT STEEL L2"X2"X3/8"

STAIR—GLASS TREAD DETAIL 4 A430
3"=1'-0"



4
1/2" POLYCARBONATE HANDRAIL GUARD. SEE SHEET A131 FOR EXTENT.
FACE OF EXISTING ESCALATOR
ST STL 1-1/2" DIA HANDRAIL
PAINTED 1-1/2" X 1" STL HANDRAIL POST WELDED TO STL STRINGER
6
A430
3"
7" X 1 7/8" C CHANNEL CONTINUOUS BETWEEN STRINGERS
PAINTED 15" X 3-1/2" STL CHANNEL STAIR STRINGER @ BOTH SIDES
SEE SECTION /ELEVATION
2" YELLOW FRIT ON #3 LAYER ALL TREADS AND LANDING
CONT STEEL L2"X2"X3/8"
SEALANT AND BACKER ROD
NEOPRENE STRIP IN BETWEEN DISSIMILAR MATERIAL. TYP.
PAINTED 1-1/2"x1-1/2" STL ANGLE
NOTE:
NO ATTACHMENT TO STRINGER AT TOP STEP TO GLASS LANDING CONDITION. SEE DET 1/A430
4
A430
DETAIL
SCALE: 6"=1'-0"

HANDRAIL SECTION DETAIL 5 A430
3"=1'-0"



5
A430
HANDRAIL POST
FACE OF EXISTING ESCALATOR
3"
1/2" POLYCARBONATE HANDRAIL GUARD AT ESCALATOR ABOVE, WHERE OCCURS
FACE OF STL CHANNEL
1 1/2"
PAINTED 15 X 3-1/2" STL CHANNEL STAIR STRINGER @ BOTH SIDES
3 LAYERS 5/8" THK GLASS TREAD MIN PER ASTM. PROVIDE NON-SLIP SURFACE
2" YELLOW FRIT ON #3 LAYER ALL TREADS AND LANDING
4
4
A430
CONT ST STL ANGLE ALL AROUND W/ NEOPRENE STRIP IN BETWEEN GLASS. WELD CORNERS AND GRIND SMOOTH.
5
NON-SLIP SURFACE PATTERN. TYPICAL TO ALL STEPS

GLASS STAIR TREAD PLAN DETAIL 6 A430
3"=1'-0"

FMGcook2 Dec 17, 2015 - 11:35am V:\ccaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A430-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
B. ODA
DRAWN:
M. GRINDULO
CHECKED:
C. GUADAGNE
APPROVED:
R. FINGER
DATE:
20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

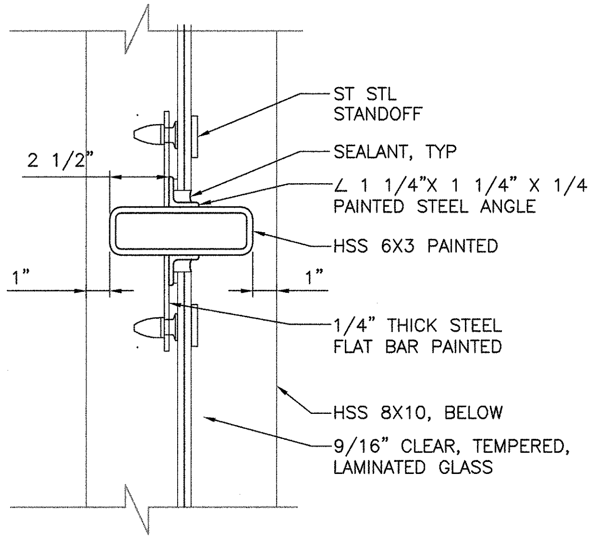
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

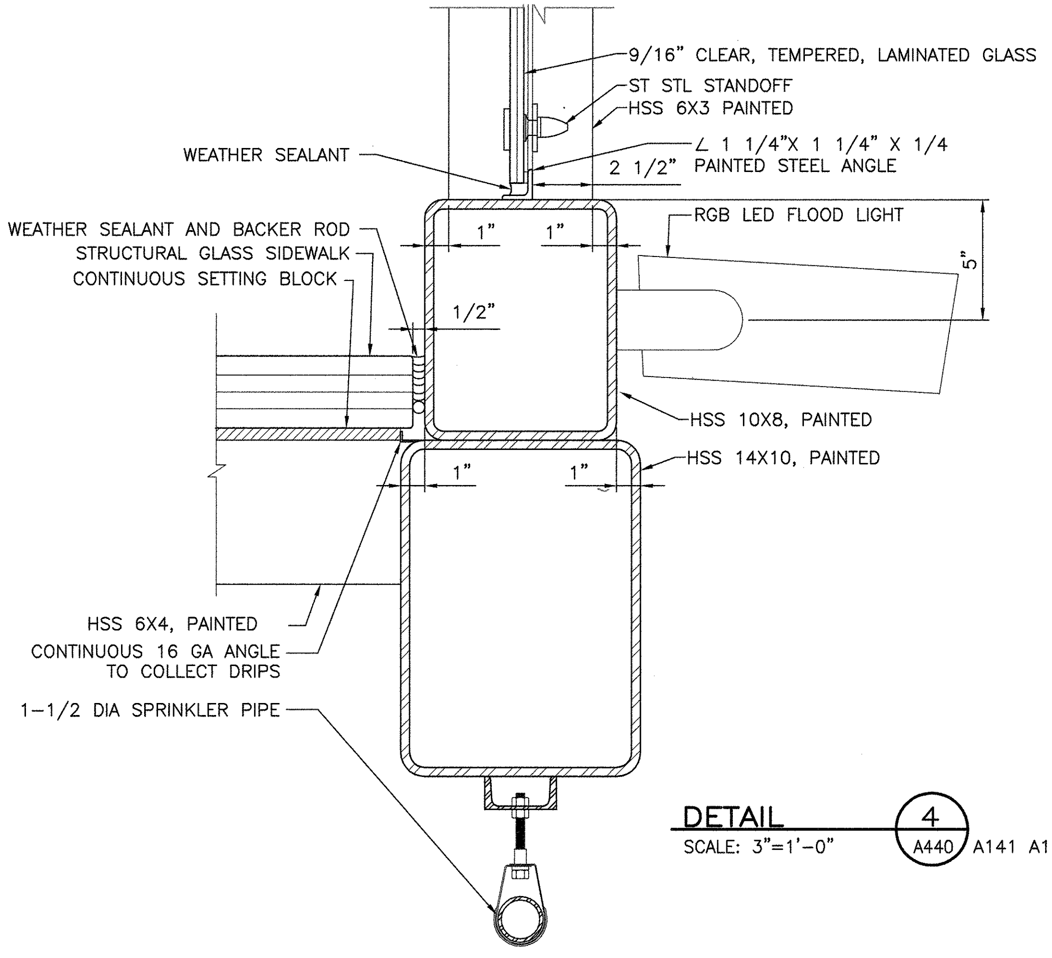
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 STAIR/ESCALATOR
DETAILS

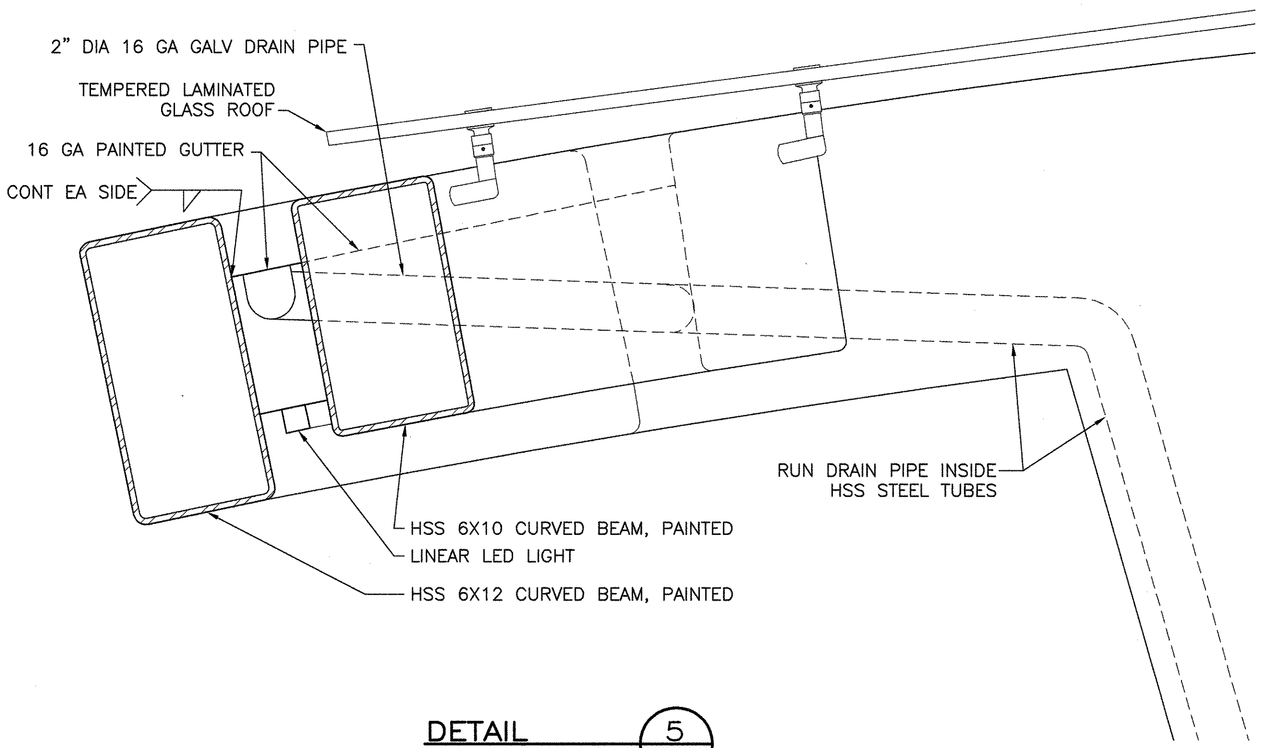
CADD FILENAME
DB-A430-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.
05EA-110
REV.
P
CONTRACT SHEET NO.
A430
PAGE NO.
090


ST STL STANDOFF
2 1/2"
SEALANT, TYP
∠ 1 1/4"X 1 1/4" X 1/4 PAINTED STEEL ANGLE
HSS 6X3 PAINTED
1"
1"
1/4" THICK STEEL FLAT BAR PAINTED
HSS 8X10, BELOW
9/16" CLEAR, TEMPERED, LAMINATED GLASS

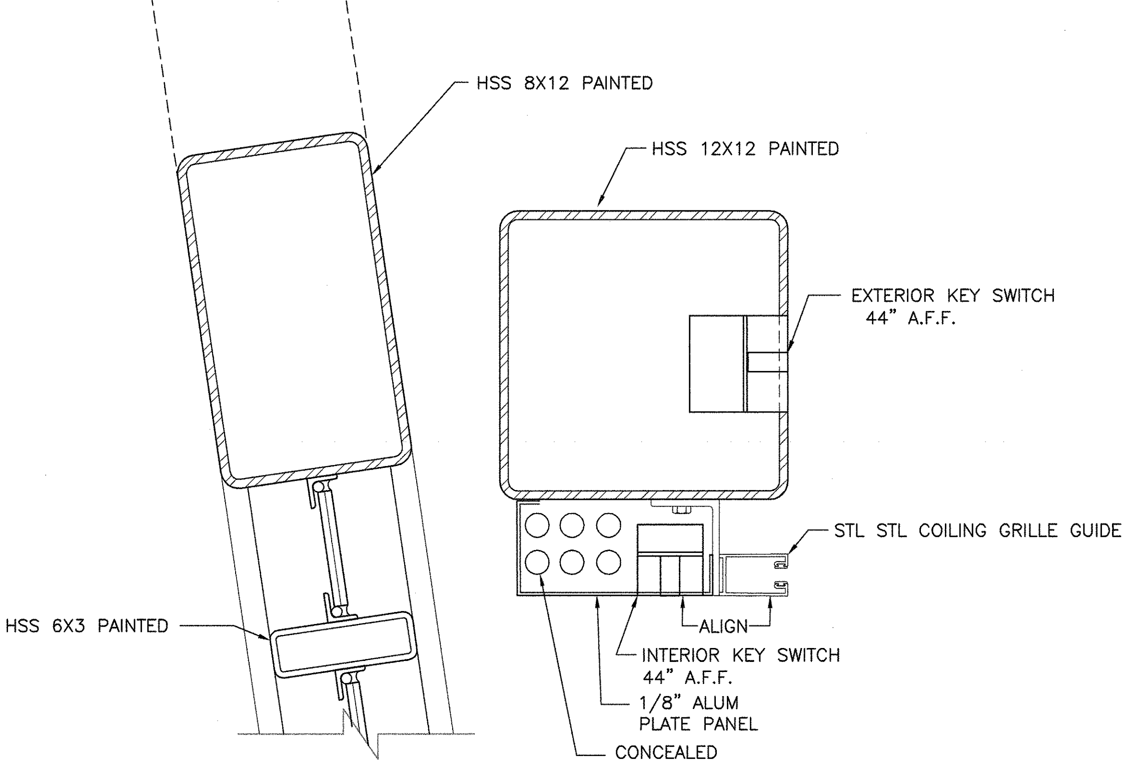
DETAIL 3 A440
SCALE: 3"=1'-0"


9/16" CLEAR, TEMPERED, LAMINATED GLASS
ST STL STANDOFF
HSS 6X3 PAINTED
WEATHER SEALANT
∠ 1 1/4"X 1 1/4" X 1/4 2 1/2" PAINTED STEEL ANGLE
WEATHER SEALANT AND BACKER ROD
STRUCTURAL GLASS SIDEWALK
CONTINUOUS SETTING BLOCK
RGB LED FLOOD LIGHT
1"
1"
5"
1/2"
HSS 10X8, PAINTED
1"
1"
HSS 14X10, PAINTED
HSS 6X4, PAINTED
CONTINUOUS 16 GA ANGLE TO COLLECT DRIPS
1-1/2 DIA SPRINKLER PIPE

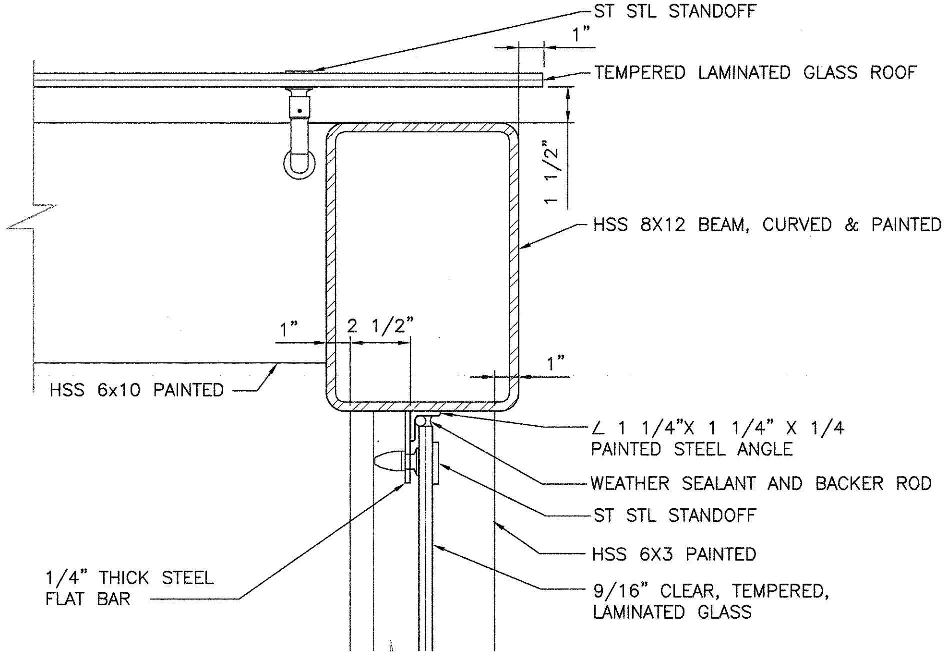
DETAIL 4 A440 A141 A144
SCALE: 3"=1'-0"


2" DIA 16 GA GALV DRAIN PIPE
TEMPERED LAMINATED GLASS ROOF
16 GA PAINTED GUTTER
CONT EA SIDE
RUN DRAIN PIPE INSIDE HSS STEEL TUBES
HSS 6X10 CURVED BEAM, PAINTED
LINEAR LED LIGHT
HSS 6X12 CURVED BEAM, PAINTED

DETAIL 5 A440 A142, A145
SCALE: 3"=1'-0"



DETAIL 1 A440 A141
SCALE: 3"=1'-0"

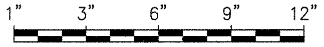

ST STL STANDOFF
1"
TEMPERED LAMINATED GLASS ROOF
1 1/2"
HSS 8X12 BEAM, CURVED & PAINTED
1"
2 1/2"
1"
HSS 6x10 PAINTED
∠ 1 1/4"X 1 1/4" X 1/4 PAINTED STEEL ANGLE
WEATHER SEALANT AND BACKER ROD
ST STL STANDOFF
HSS 6X3 PAINTED
1/4" THICK STEEL FLAT BAR
9/16" CLEAR, TEMPERED, LAMINATED GLASS

DETAIL 2 A440 A142

SCALE: 3"=1'-0"

NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION



GRAPHIC SCALE

HALF SIZE

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P		RH	SS	8	ISSUED FOR BID PER BECO EM002048

DESIGNED: B. ODA
DRAWN:
CHECKED: S.SMITH
APPROVED: D. PUCTZ
DATE: DEC 24, 2015

LICENSED ARCHITECT
TIAN A. FENG
Exp. 9/30/17
No. 25072
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

BART
MANAGER:

BART
APPROVED BY:

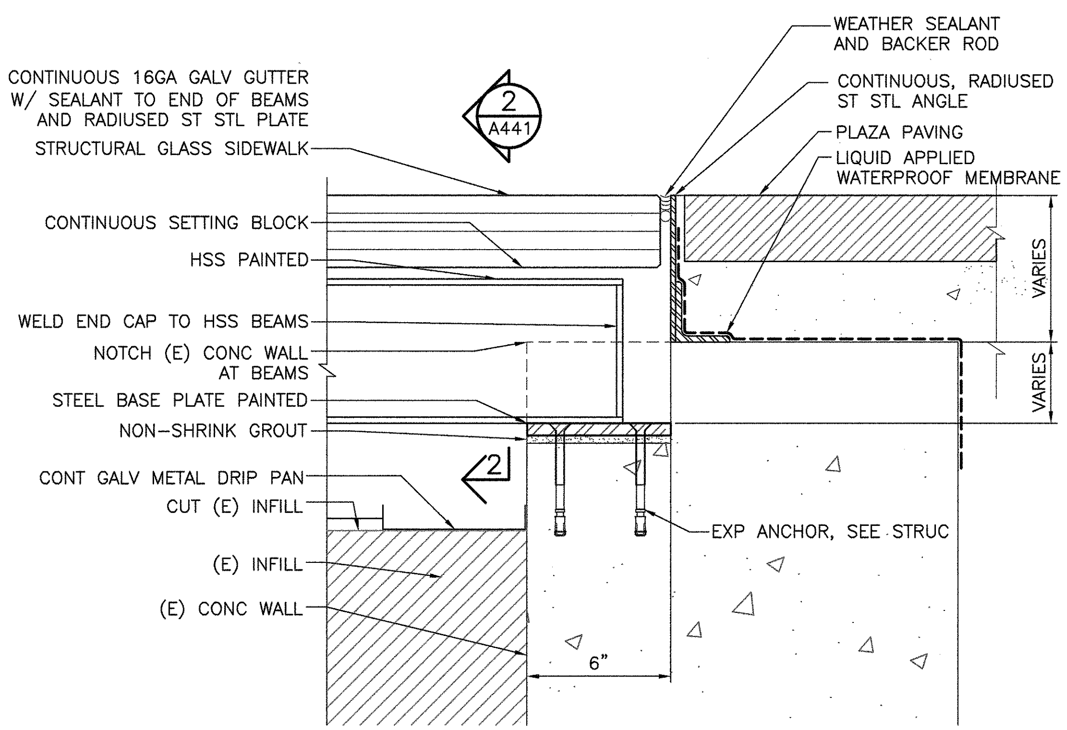
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE DETAILS
SHEET 1 OF 5

CADD FILENAME: DB-A440-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: **05EA-110**
REV.: **P**
CONTRACT SHEET NO.: **A440**
PAGE NO.: **091**

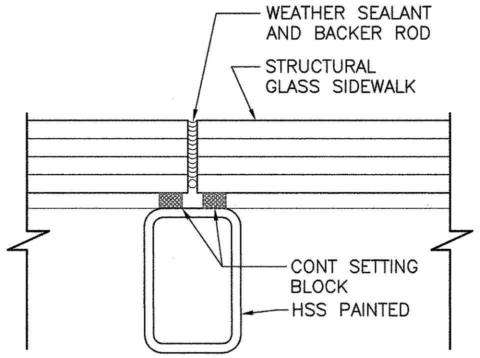
NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION


CONTINUOUS 16GA GALV GUTTER W/ SEALANT TO END OF BEAMS AND RADIUSED ST STL PLATE
STRUCTURAL GLASS SIDEWALK
CONTINUOUS SETTING BLOCK
HSS PAINTED
WELD END CAP TO HSS BEAMS
NOTCH (E) CONC WALL AT BEAMS
STEEL BASE PLATE PAINTED
NON-SHRINK GROUT
CONT GALV METAL DRIP PAN
CUT (E) INFILL
(E) INFILL
(E) CONC WALL
2
A441
2
WEATHER SEALANT AND BACKER ROD
CONTINUOUS, RADIUSED ST STL ANGLE
PLAZA PAVING
LIQUID APPLIED WATERPROOF MEMBRANE
VARIES
VARIES
EXP ANCHOR, SEE STRUC
6"

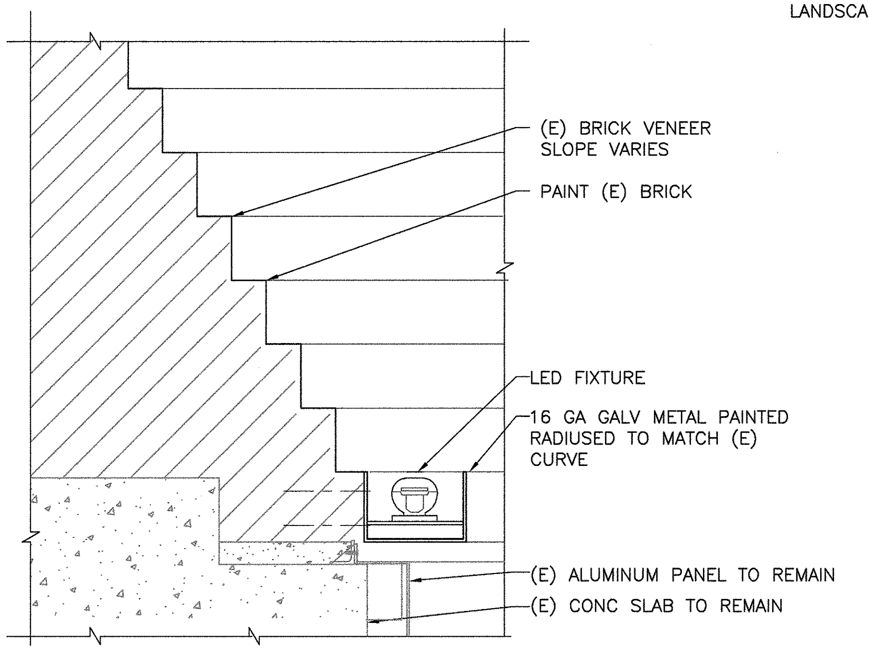
DETAIL 1/A441 A144

SCALE: 3"=1'-0"



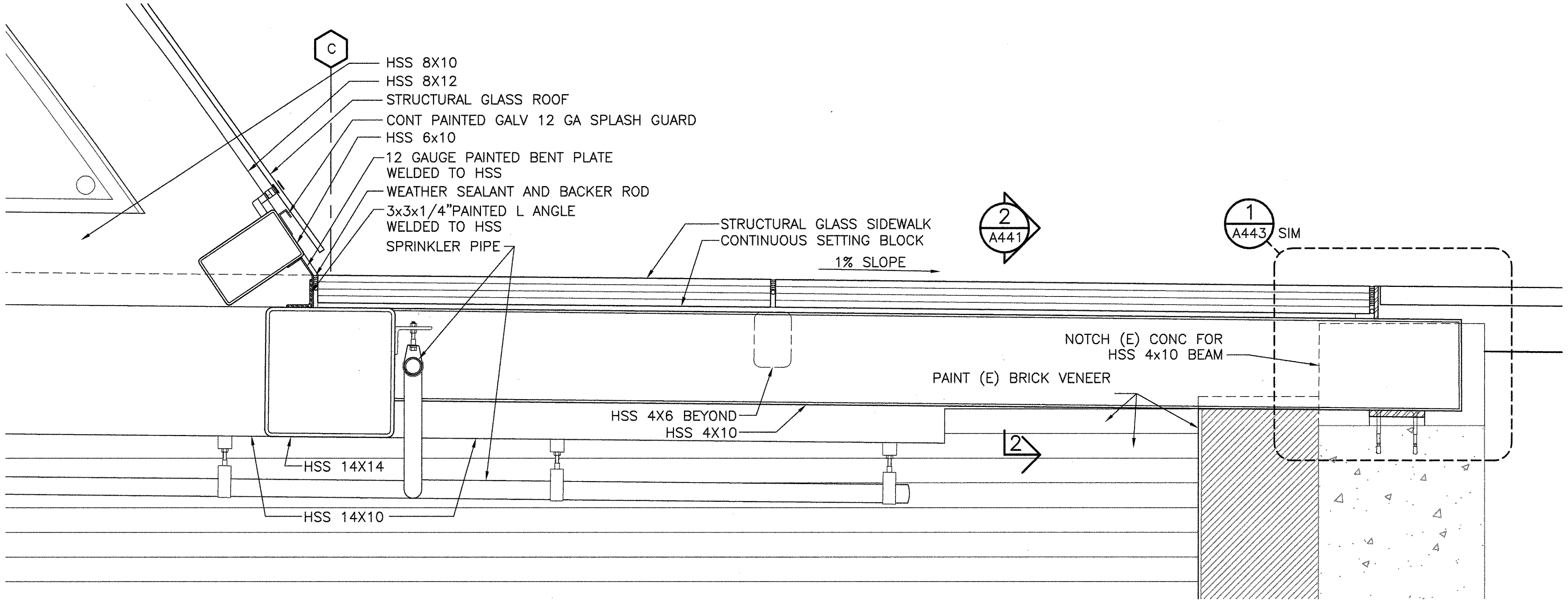
DETAIL 2/A441

SCALE: 3"=1'-0"


(E) BRICK VENEER SLOPE VARIES
PAINT (E) BRICK
LED FIXTURE
16 GA GALV METAL PAINTED RADIUSED TO MATCH (E) CURVE
(E) ALUMINUM PANEL TO REMAIN
(E) CONC SLAB TO REMAIN

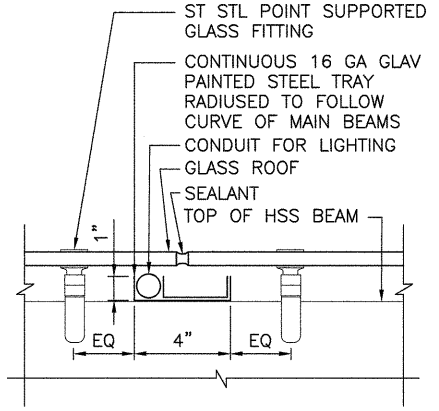
DETAIL 3/A441 A144

SCALE: 3"=1'-0"


C
HSS 8X10
HSS 8X12
STRUCTURAL GLASS ROOF
CONT PAINTED GALV 12 GA SPLASH GUARD
HSS 6x10
12 GAUGE PAINTED BENT PLATE WELDED TO HSS
WEATHER SEALANT AND BACKER ROD
3x3x1/4"PAINTED L ANGLE WELDED TO HSS
SPRINKLER PIPE
STRUCTURAL GLASS SIDEWALK
CONTINUOUS SETTING BLOCK
1% SLOPE
2
A441
1
A443
SIM
NOTCH (E) CONC FOR HSS 4x10 BEAM
PAINT (E) BRICK VENEER
HSS 4X6 BEYOND
HSS 4X10
2
HSS 14X14
HSS 14X10

DETAIL 4/A441 A141 A144 A145

SCALE: 1 1/2"=1'-0"


ST STL POINT SUPPORTED GLASS FITTING
CONTINUOUS 16 GA GLAV PAINTED STEEL TRAY RADIUSED TO FOLLOW CURVE OF MAIN BEAMS
CONDUIT FOR LIGHTING
GLASS ROOF
SEALANT
TOP OF HSS BEAM
1"
EQ
4"
EQ

DETAIL 5/A441 A142

SCALE: 3"=1'-0"

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P		KV	SG	SF	ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN: Kal
CHECKED: S. SMITH
APPROVED: D. PLICTZ
DATE: DEC 24, 2015

LICENSED ARCHITECT
TIAN A. FENG
Exp. 9/30/17
No. 25072
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

MANAGER: SRitt

APPROVED BY:

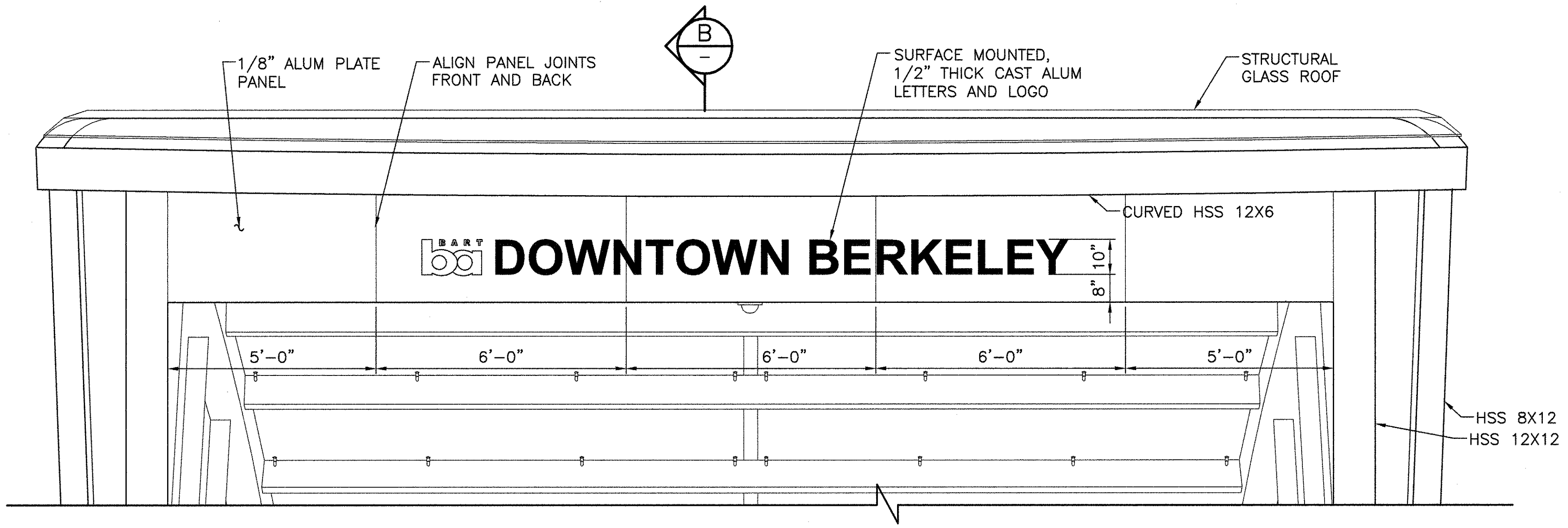
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE DETAILS
SHEET 2 OF 5

CADD FILENAME: DB-A441-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A441
PAGE NO.: 092

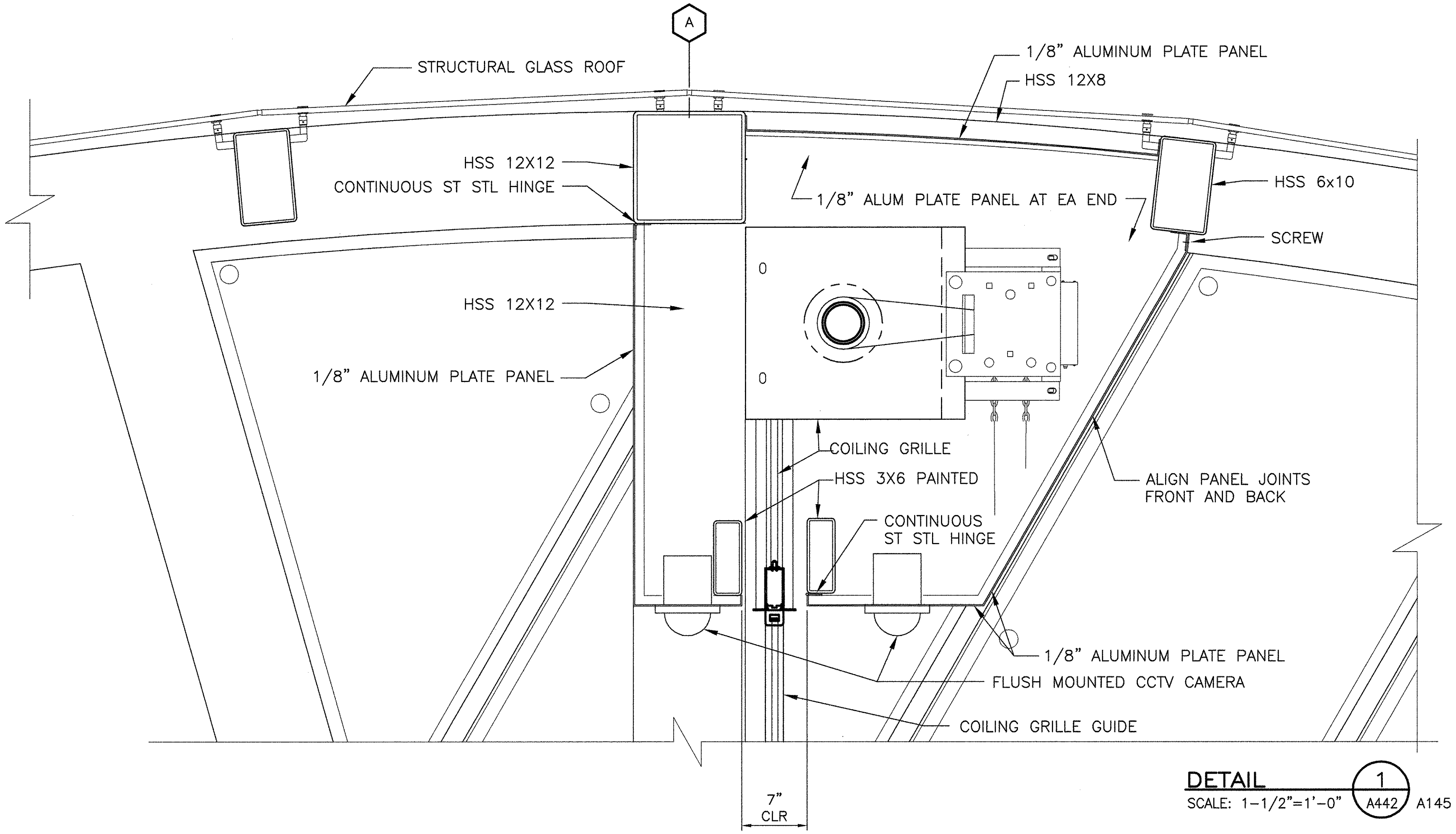
NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION



ELEVATION (A / A442) A143

SCALE: 1/2"=1'-0"


A
STRUCTURAL GLASS ROOF
1/8" ALUMINUM PLATE PANEL
HSS 12X8
HSS 12X12
CONTINUOUS ST STL HINGE
1/8" ALUM PLATE PANEL AT EA END
HSS 6x10
SCREW
HSS 12X12
1/8" ALUMINUM PLATE PANEL
COILING GRILLE
HSS 3X6 PAINTED
CONTINUOUS ST STL HINGE
ALIGN PANEL JOINTS FRONT AND BACK
1/8" ALUMINUM PLATE PANEL
FLUSH MOUNTED CCTV CAMERA
COILING GRILLE GUIDE
7" CLR

DETAIL (1 / A442) A145

SCALE: 1-1/2"=1'-0"

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PLUTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

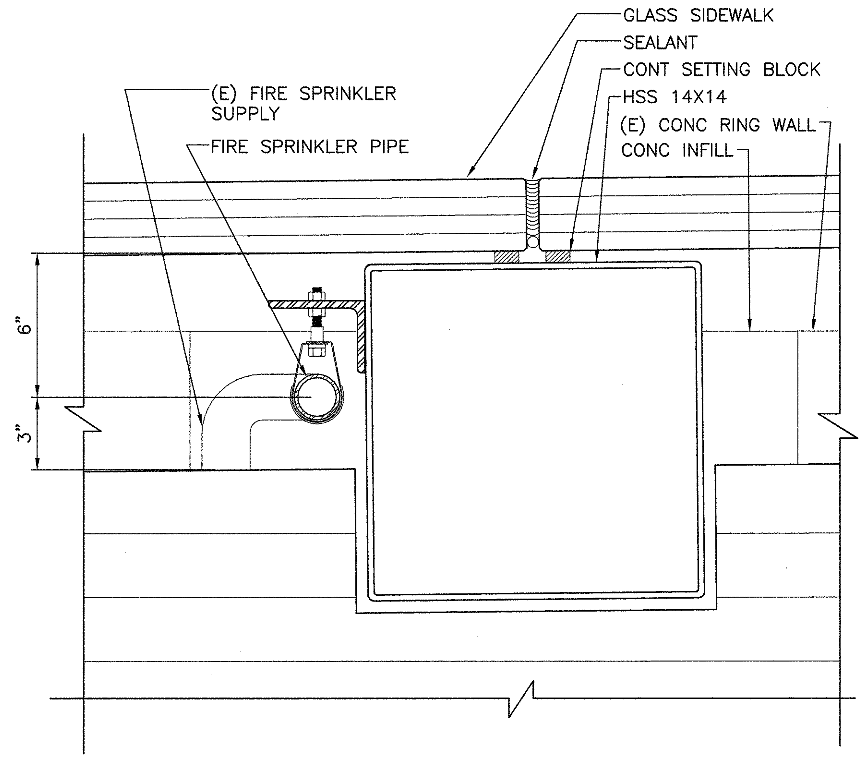
BART
MANAGER:

BART
APPROVED BY:

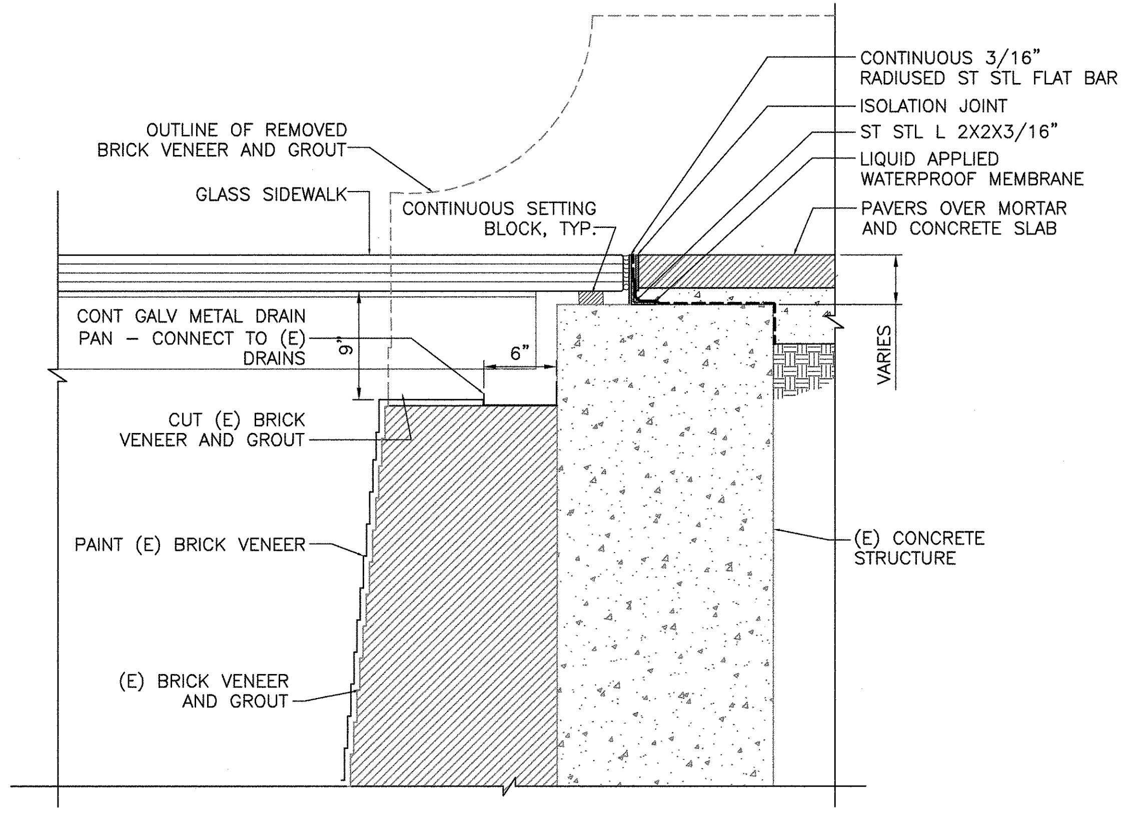
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE 3 HEADHOUSE DETAILS
SHEET 3 OF 5

CADD FILENAME: DB-A142-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: **05EA-110**
REV.: **P**
CONTRACT SHEET NO.: **A442**
PAGE NO.: **093**



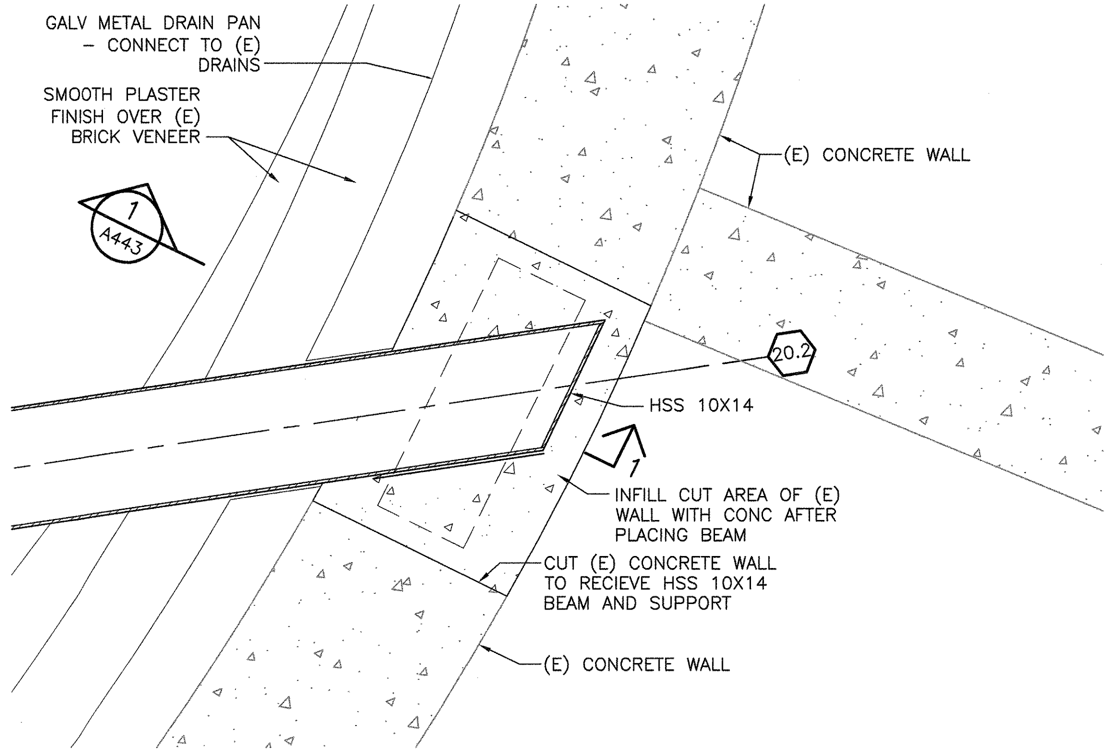
DETAIL 4 A443
SCALE: 3"=1'-0"


CONTINUOUS 3/16" RADIUSED ST STL FLAT BAR
ISOLATION JOINT
ST STL L 2X2X3/16"
LIQUID APPLIED WATERPROOF MEMBRANE
PAVERS OVER MORTAR AND CONCRETE SLAB
OUTLINE OF REMOVED BRICK VENEER AND GROUT
GLASS SIDEWALK
CONTINUOUS SETTING BLOCK, TYP.
CONT GALV METAL DRAIN PAN – CONNECT TO (E) DRAINS
9"
6"
VARIES
CUT (E) BRICK VENEER AND GROUT
PAINT (E) BRICK VENEER
(E) CONCRETE STRUCTURE
(E) BRICK VENEER AND GROUT

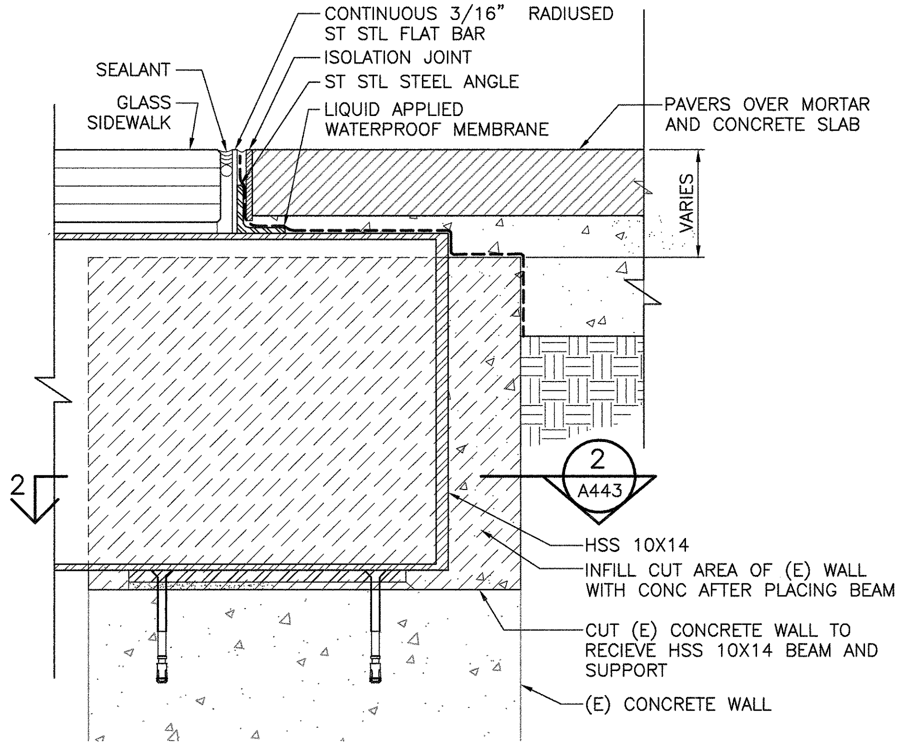
DETAIL 3 A443 A141
SCALE: 1-1/2"=1'-0"

NOTE:

REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION


GALV METAL DRAIN PAN – CONNECT TO (E) DRAINS
SMOOTH PLASTER FINISH OVER (E) BRICK VENEER
1
A443
(E) CONCRETE WALL
20.2
HSS 10X14
1
INFILL CUT AREA OF (E) WALL WITH CONC AFTER PLACING BEAM
CUT (E) CONCRETE WALL TO RECIEVE HSS 10X14 BEAM AND SUPPORT
(E) CONCRETE WALL

DETAIL @ HSS 10X14 2 A443
SCALE: 1-1/2"=1'-0"


CONTINUOUS 3/16" RADIUSED ST STL FLAT BAR
ISOLATION JOINT
ST STL STEEL ANGLE
LIQUID APPLIED WATERPROOF MEMBRANE
SEALANT
GLASS SIDEWALK
PAVERS OVER MORTAR AND CONCRETE SLAB
VARIES
2
A443
2
HSS 10X14
INFILL CUT AREA OF (E) WALL WITH CONC AFTER PLACING BEAM
CUT (E) CONCRETE WALL TO RECIEVE HSS 10X14 BEAM AND SUPPORT
(E) CONCRETE WALL

DETAIL @ HSS 10X14 1 A443 A141
SCALE: 3"=1'-0"

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. GDA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PULTZ
DATE: DEC 24, 2015

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

BART
MANAGER:

BART
APPROVED BY:

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

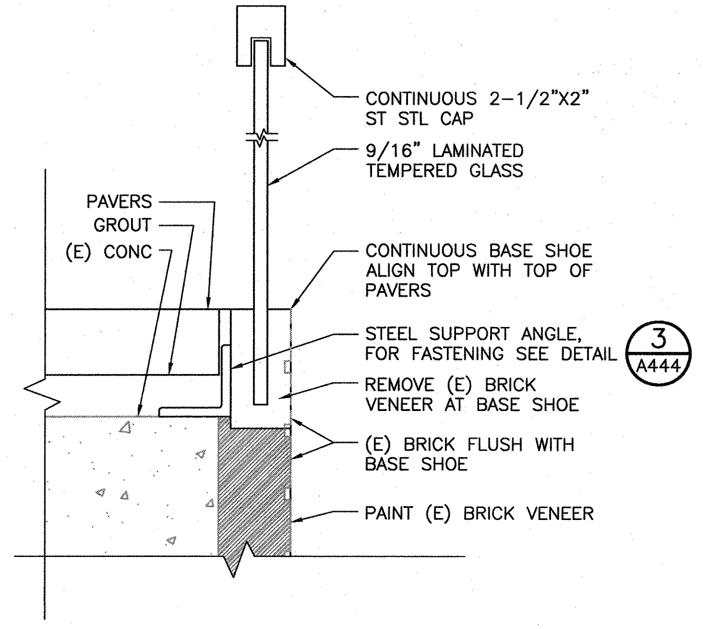
ENTRANCE 3 HEADHOUSE DETAILS
SHEET 4 OF 5

CADD FILENAME: DB-A443-A.DWG
SIZE: D
SCALE: 1/4"=1'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A443
PAGE NO.: 094

G:\BECO\EM002048NEW\DB-A443-A.dwg, 12/23/2015 1:48:09 PM, R. VERSHER

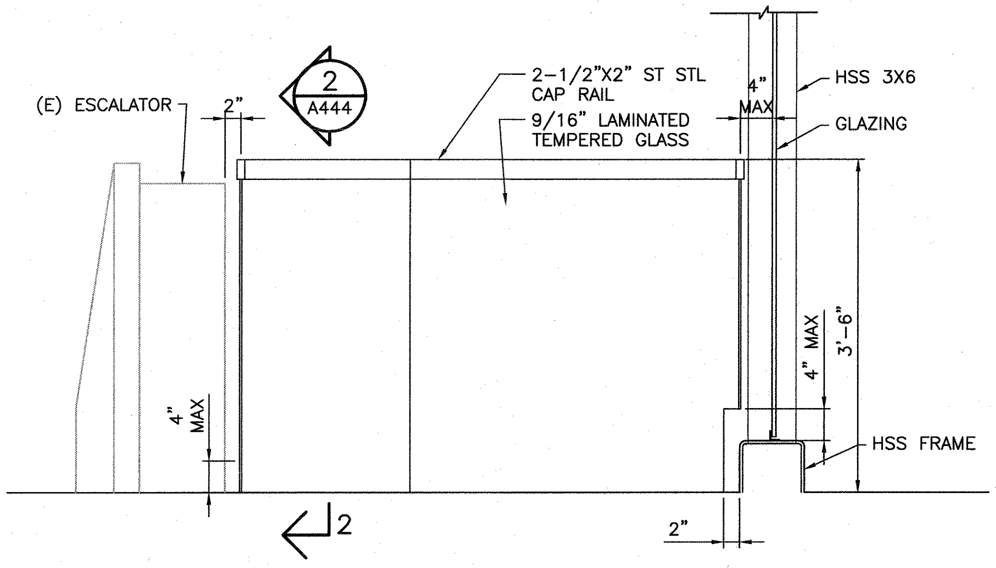
NOTE:

1. REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
2. ALL STAINLESS STEEL SHALL BE TYPE 316 UNLESS NOTED OTHERWISE.


CONTINUOUS 2-1/2"X2" ST STL CAP
9/16" LAMINATED TEMPERED GLASS
PAVERS
GROUT
(E) CONC
CONTINUOUS BASE SHOE ALIGN TOP WITH TOP OF PAVERS
STEEL SUPPORT ANGLE, FOR FASTENING SEE DETAIL
3
A444
REMOVE (E) BRICK VENEER AT BASE SHOE
(E) BRICK FLUSH WITH BASE SHOE
PAINT (E) BRICK VENEER

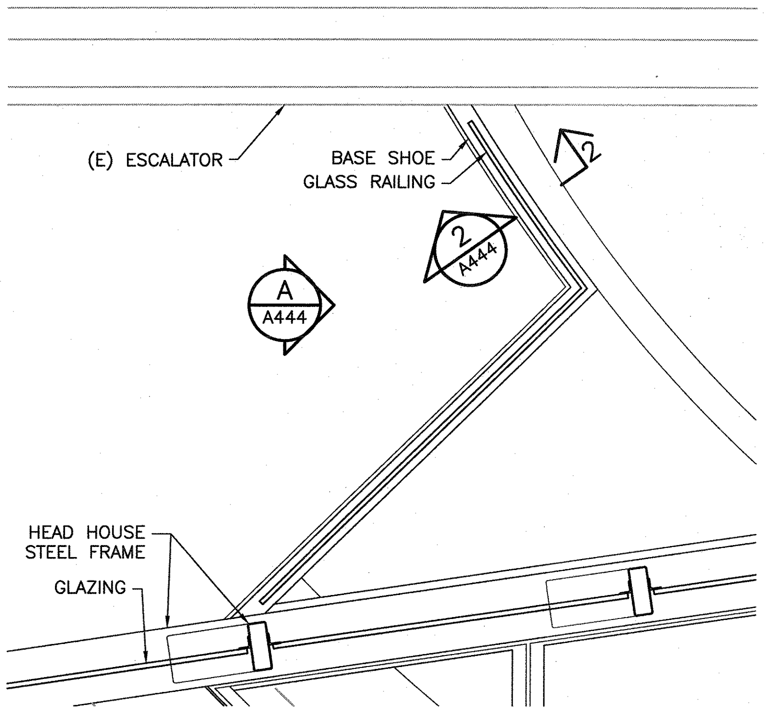
RAILING DETAIL 2 A444

SCALE: 3"=1'-0"



ELEVATION A A444

SCALE: 1"=1'-0"



PLAN DETAIL 1 A444

SCALE: 1"=1'-0"

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P		W			ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PAUTZ
DATE: DEC 24, 2015

LICENSED ARCHITECT
TIAN A. FENG
Exp. 9/30/17
No. 25072
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

BART

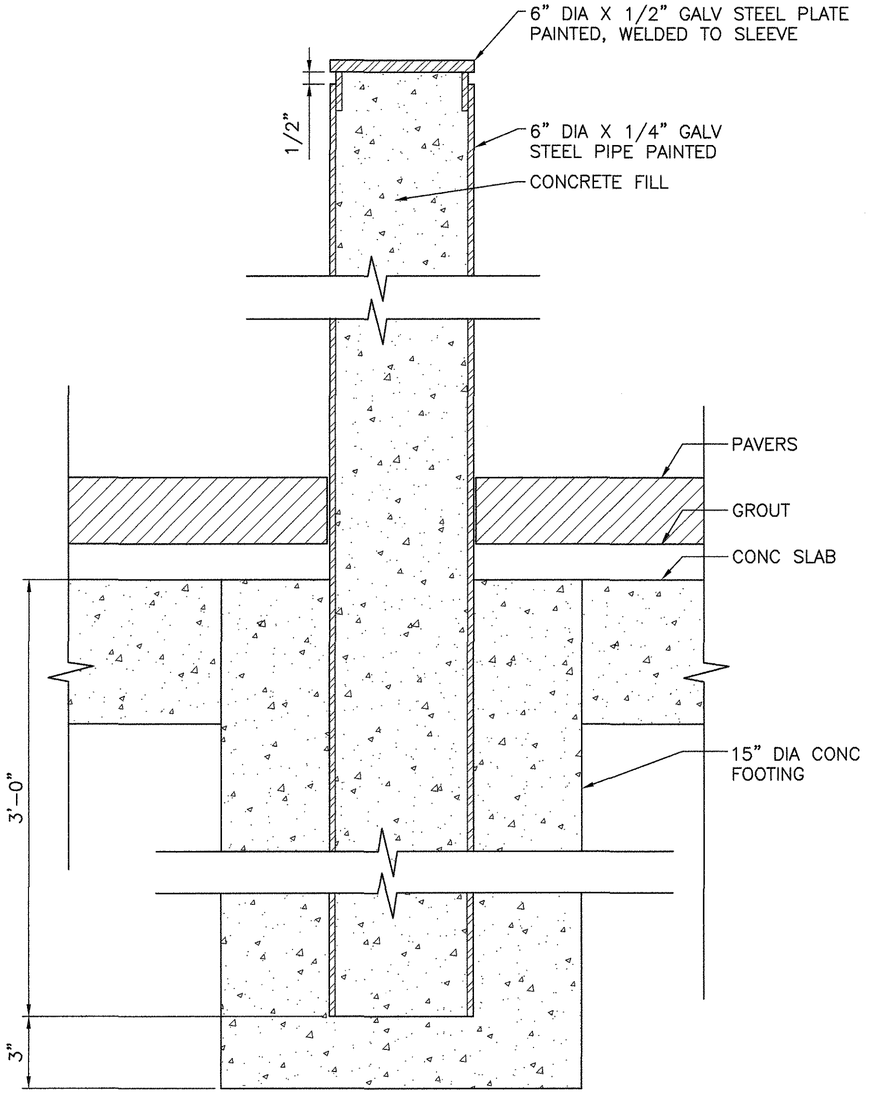
MANAGER:

APPROVED BY:

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

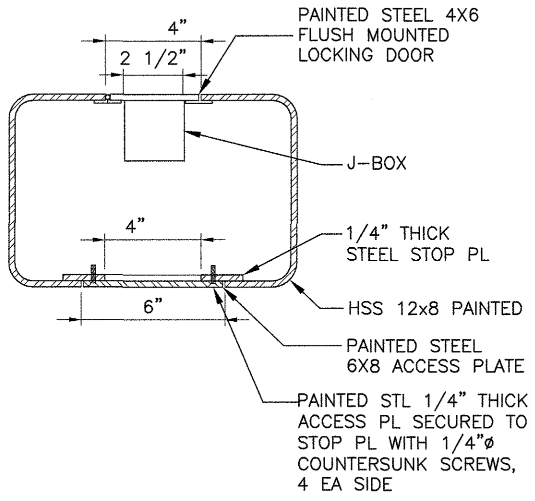
ENTRANCE 3 HEADHOUSE DETAILS
SHEET 5 OF 5

CADD FILENAME: DB-A444-A.DWG
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A444
PAGE NO.: 095



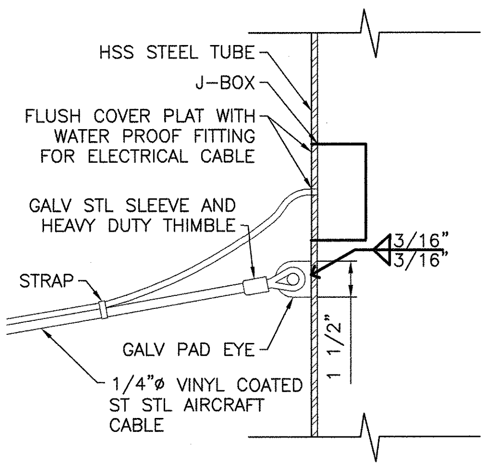
6" DIA X 1/2" GALV STEEL PLATE PAINTED, WELDED TO SLEEVE
1/2"
6" DIA X 1/4" GALV STEEL PIPE PAINTED
CONCRETE FILL
PAVERS
GROUT
CONC SLAB
15" DIA CONC FOOTING
3'-0"
3"

DETAIL
SCALE: 3"=1'-0"
4
A445



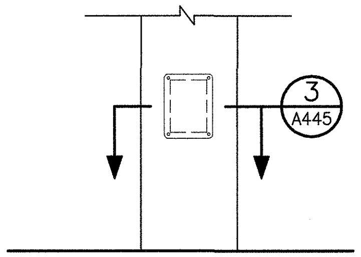
4"
2 1/2"
PAINTED STEEL 4X6 FLUSH MOUNTED LOCKING DOOR
J-BOX
4"
1/4" THICK STEEL STOP PL
HSS 12x8 PAINTED
6"
PAINTED STEEL 6X8 ACCESS PLATE
PAINTED STL 1/4" THICK ACCESS PL SECURED TO STOP PL WITH 1/4"ø COUNTERSUNK SCREWS, 4 EA SIDE

DETAIL
SCALE: 3"=1'-0"
3
A445



HSS STEEL TUBE
J-BOX
FLUSH COVER PLAT WITH WATER PROOF FITTING FOR ELECTRICAL CABLE
GALV STL SLEEVE AND HEAVY DUTY THIMBLE
STRAP
3/16"
3/16"
GALV PAD EYE
1 1/2"
1/4"ø VINYL COATED ST STL AIRCRAFT CABLE

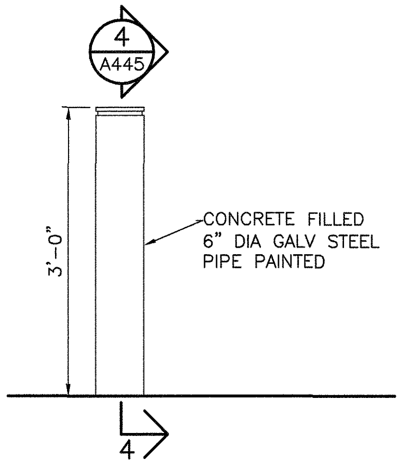
DETAIL
SCALE: 3"=1'-0"
2
A445



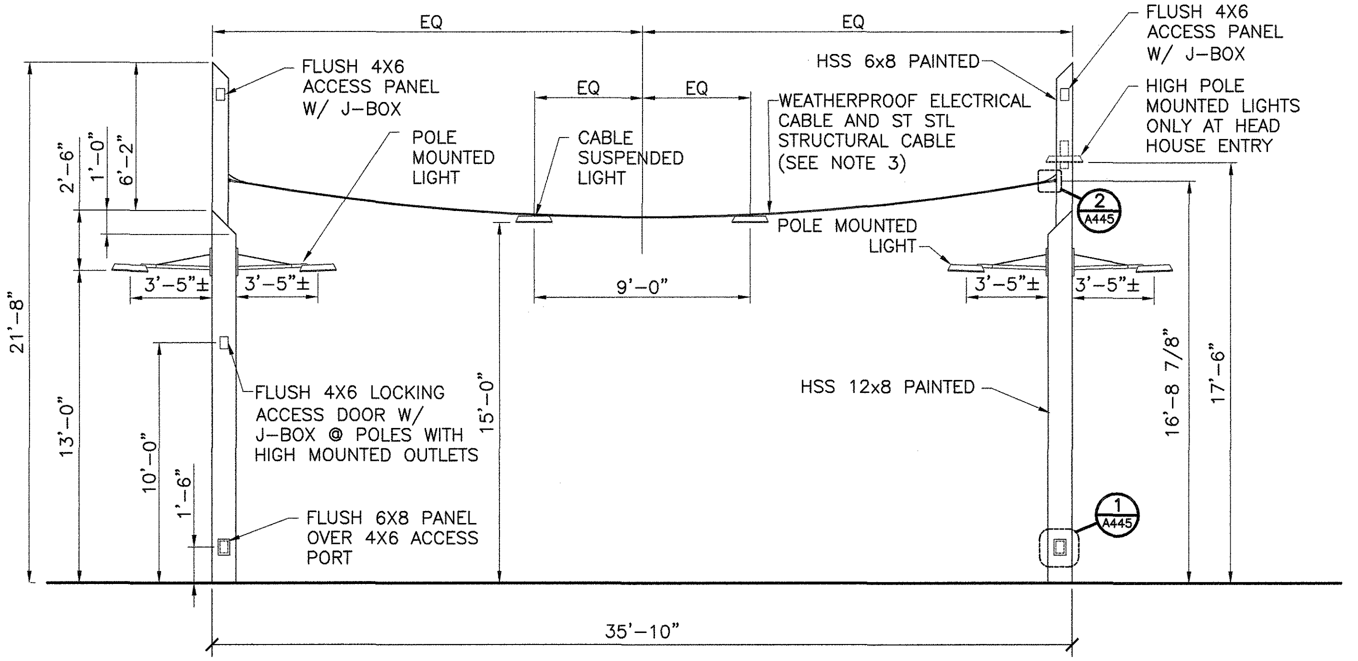
DETAIL ELEVATION
SCALE: 1"=1'-0"
1
A445

NOTES:

1. MAX. ALLOWABLE TOTAL WEIGHT OF CATENARY LIGHTS ON THE CABLE SHALL BE 65 LBS.
2. MAX. ALLOWABLE CABLE WEIGHT SHALL BE 125 LBS.
3. MIN. SAG OF THE CATENARY LIGHT CABLE SHALL BE 12 INCHES.
4. RESTRICTIONS OF PROVISIONAL EQUIPMENT MOUNTING ON POLE:
    A. MAX ALLOWABLE WEIGHT OF PROVISIONAL EQUIPMENT A SHALL BE 40 LBS. PROVISIONAL EQUIPMENT A SHALL BE MOUNTED MIN 2 FEET BELOW TOP OF POLE.
    B. MAX ALLOWABLE WEIGHT OF PROVISIONAL EQUIPMENT B SHALL BE 75 LBS. PROVISIONAL EQUIPMENT B SHALL BE MOUNTED MIN 4 FEET BELOW TOP OF POLE.
    C. MAXIMUM OF 2 PIECES OF PROVISIONAL EQUIPMENT SHALL BE MOUNTED ON EACH POLE. 2ND PIECE OF EQUIPMENT SHOULD BE MOUNTED ON OPPOSITE SIDE OF POLE.
    D. PROVISIONAL EQUIPMENT SHALL NOT EXTEND BEYOND 18" FROM CENTER OF POLE
5. MAX ALLOWABLE WEIGHT OF EACH POLE MOUNTED LIGHT ASSEMBLY SHALL BE 35 LBS.
6. REFER TO STRUCTURAL, MEP, CIVIL, UTILITY AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION
7. ALL STEEL SHALL BE GALVANIZED STEEL AND PAINTED.



ELEVATION
SCALE: 1"=1'-0"
B
A445



EQ
EQ
EQ
EQ
FLUSH 4X6 ACCESS PANEL W/ J-BOX
HSS 6x8 PAINTED
FLUSH 4X6 ACCESS PANEL W/ J-BOX
HIGH POLE MOUNTED LIGHTS ONLY AT HEAD HOUSE ENTRY
POLE MOUNTED LIGHT
CABLE SUSPENDED LIGHT
WEATHERPROOF ELECTRICAL CABLE AND ST STL STRUCTURAL CABLE (SEE NOTE 3)
2
A445
POLE MOUNTED LIGHT
2'-6"
1'-0"
6'-2"
3'-5"±
3'-5"±
9'-0"
3'-5"±
3'-5"±
21'-8"
13'-0"
10'-0"
1'-6"
15'-0"
FLUSH 4X6 LOCKING ACCESS DOOR W/ J-BOX @ POLES WITH HIGH MOUNTED OUTLETS
FLUSH 6X8 PANEL OVER 4X6 ACCESS PORT
HSS 12x8 PAINTED
16'-8 7/8"
17'-6"
1
A445
35'-10"

LIGHT POLE ELEVATION
SCALE: 1/4"=1'-0"
A
A445

REV.	DATE	BY	CKD	APP.	DESCRIPTION
P					ISSUED FOR BID PER BECO EM002048

HALF SIZE

DESIGNED: B. ODA
DRAWN:
CHECKED: S. SMITH
APPROVED: D. PUTZ
DATE: DEC 24, 2005

TIAN A. FENG
Exp. 9/30/17
No. 25072

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

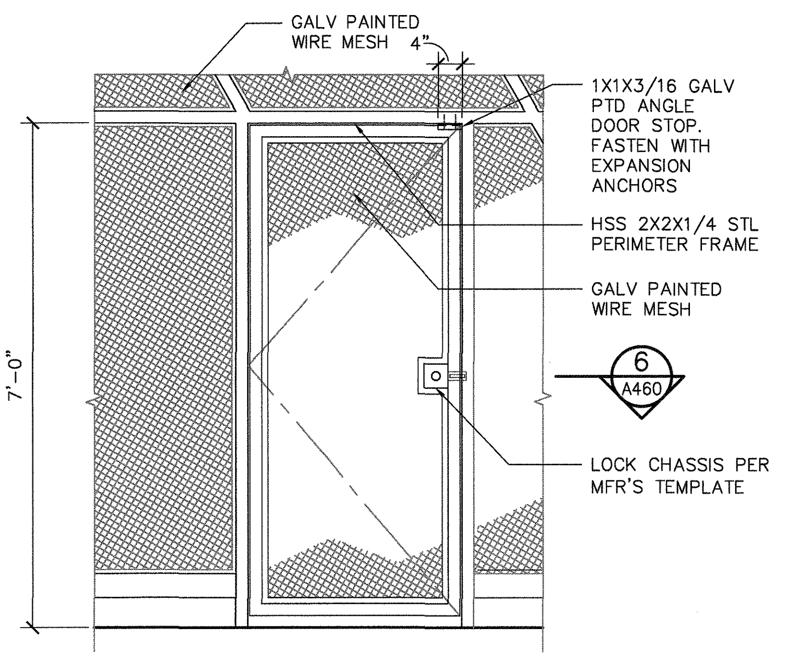
BART
MANAGER:

BART
APPROVED BY:

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

PLAZA DETAILS

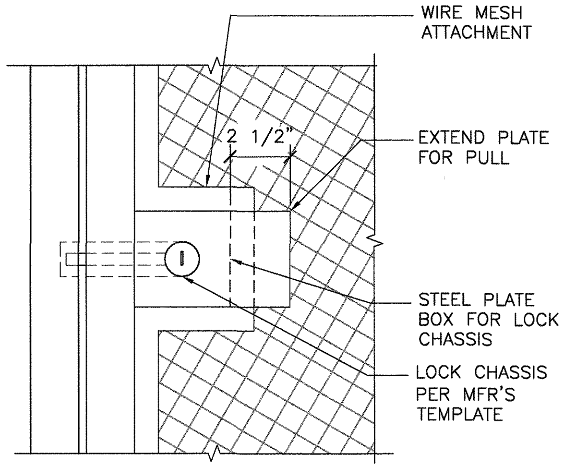
CADD FILENAME: DB-A445-A.DWG
SIZE: D
SCALE: 1/4"=1'-0'
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: A445
PAGE NO.: 096


GALV PAINTED WIRE MESH
4"
1X1X3/16 GALV PTD ANGLE DOOR STOP. FASTEN WITH EXPANSION ANCHORS
HSS 2X2X1/4 STL PERIMETER FRAME
GALV PAINTED WIRE MESH
6
A460
LOCK CHASSIS PER MFR'S TEMPLATE
7'-0"

DOOR ELEVATION

SCALE: 3/4"=1'-0"

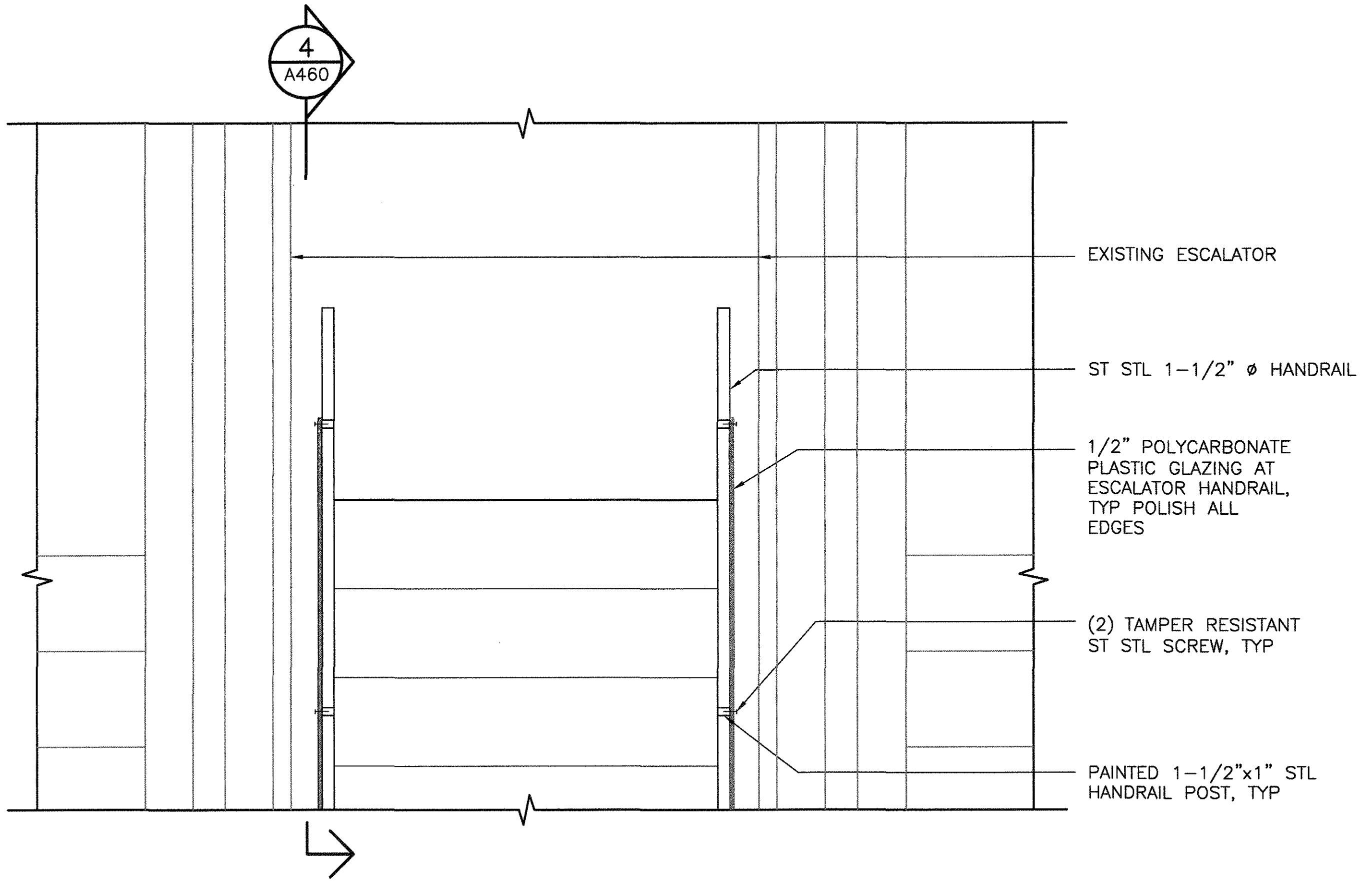
1 A460 A161


WIRE MESH ATTACHMENT
2 1/2"
EXTEND PLATE FOR PULL
STEEL PLATE BOX FOR LOCK CHASSIS
LOCK CHASSIS PER MFR'S TEMPLATE

DOOR PULL

SCALE: 3"=1'-0"

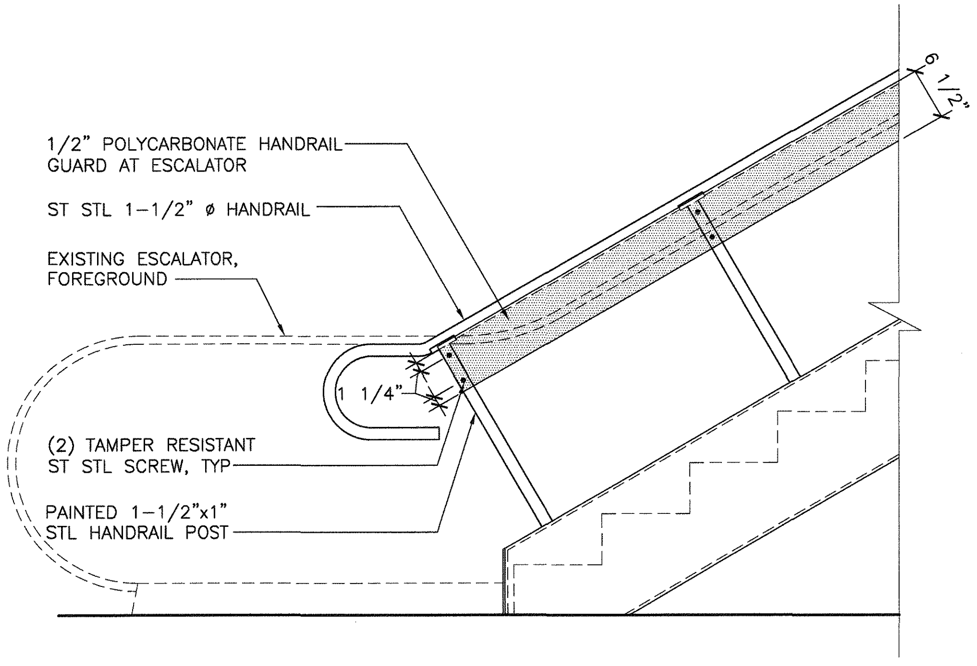
2 A460 A162


4
A460
EXISTING ESCALATOR
ST STL 1-1/2" ø HANDRAIL
1/2" POLYCARBONATE PLASTIC GLAZING AT ESCALATOR HANDRAIL, TYP POLISH ALL EDGES
(2) TAMPER RESISTANT ST STL SCREW, TYP
PAINTED 1-1/2"x1" STL HANDRAIL POST, TYP

HANDRAIL GUARD – PLAN

SCALE: 1"=1'-0"

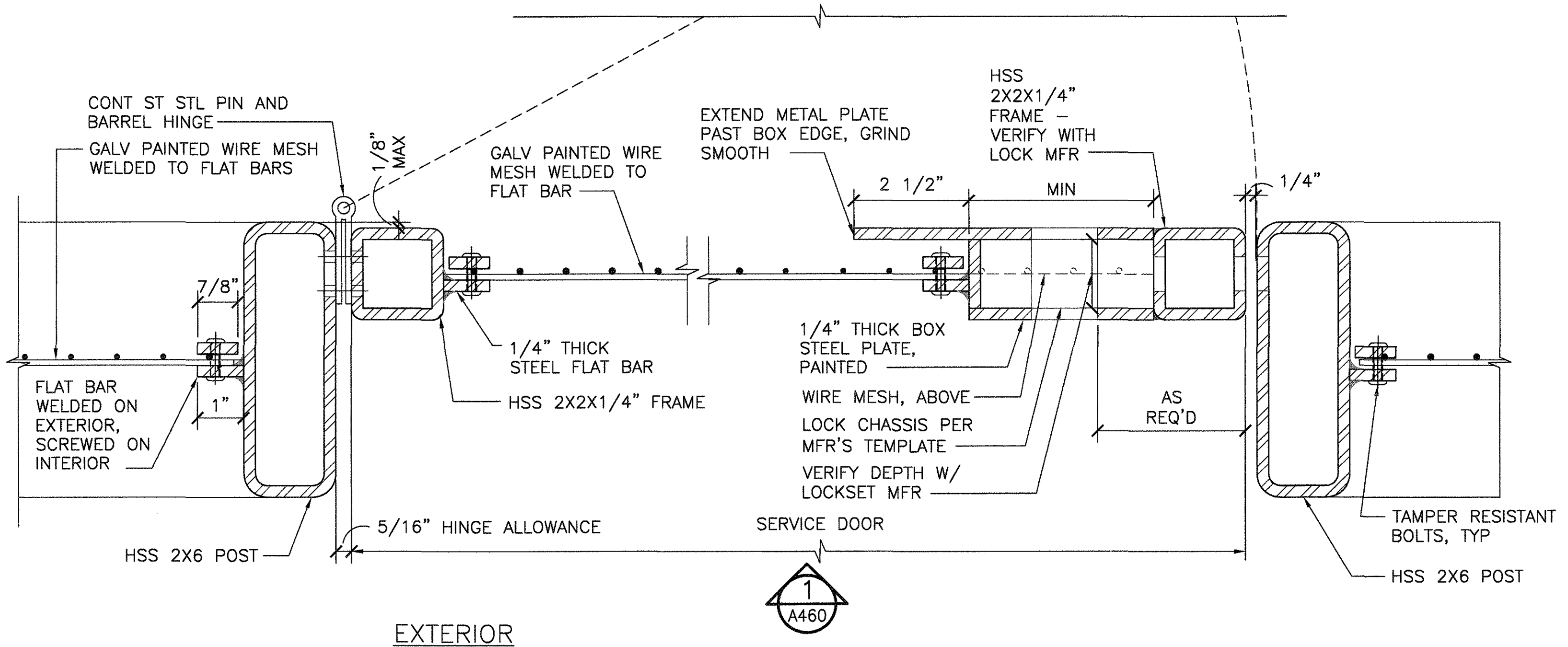
3 A460 A130


6 1/2"
1/2" POLYCARBONATE HANDRAIL GUARD AT ESCALATOR
ST STL 1-1/2" ø HANDRAIL
EXISTING ESCALATOR, FOREGROUND
1 1/4"
(2) TAMPER RESISTANT ST STL SCREW, TYP
PAINTED 1-1/2"x1" STL HANDRAIL POST

HANDRAIL GUARD – ELEV

SCALE: 1"=1'-0"

4 A460


CONT ST STL PIN AND BARREL HINGE
GALV PAINTED WIRE MESH WELDED TO FLAT BARS
1/8" MAX
GALV PAINTED WIRE MESH WELDED TO FLAT BAR
EXTEND METAL PLATE PAST BOX EDGE, GRIND SMOOTH
HSS 2X2X1/4" FRAME – VERIFY WITH LOCK MFR
2 1/2"
MIN
1/4"
7/8"
1"
FLAT BAR WELDED ON EXTERIOR, SCREWED ON INTERIOR
1/4" THICK STEEL FLAT BAR
HSS 2X2X1/4" FRAME
1/4" THICK BOX STEEL PLATE, PAINTED
WIRE MESH, ABOVE
LOCK CHASSIS PER MFR'S TEMPLATE
VERIFY DEPTH W/ LOCKSET MFR
AS REQ'D
TAMPER RESISTANT BOLTS, TYP
HSS 2X6 POST
5/16" HINGE ALLOWANCE
SERVICE DOOR
HSS 2X6 POST
1
A460
EXTERIOR

DOOR HINGE – PLAN

SCALE: 6"=1'-0"

6 A460 A161

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD S. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

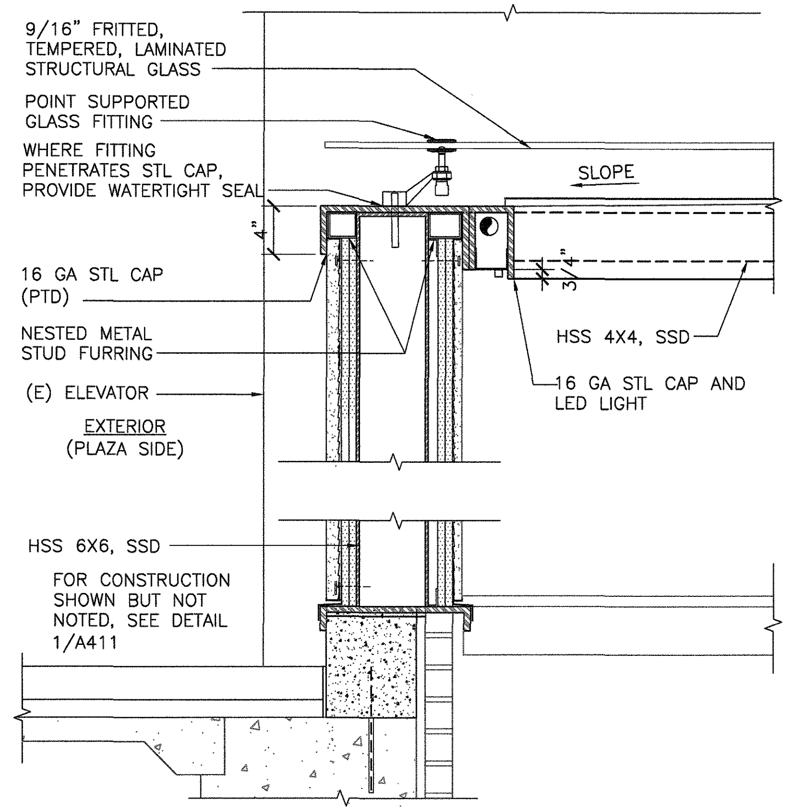
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

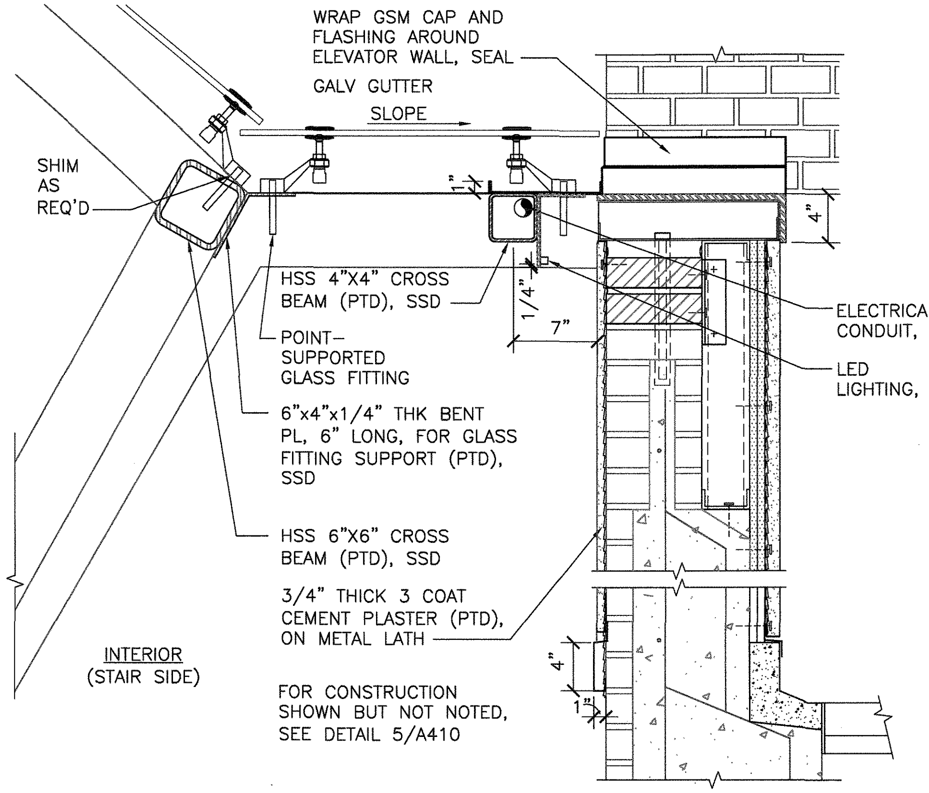
ENTRANCE 4 DETAILS
SHEET 1 OF 2

CADD FILENAME DB-A460-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A460
PAGE NO. 097

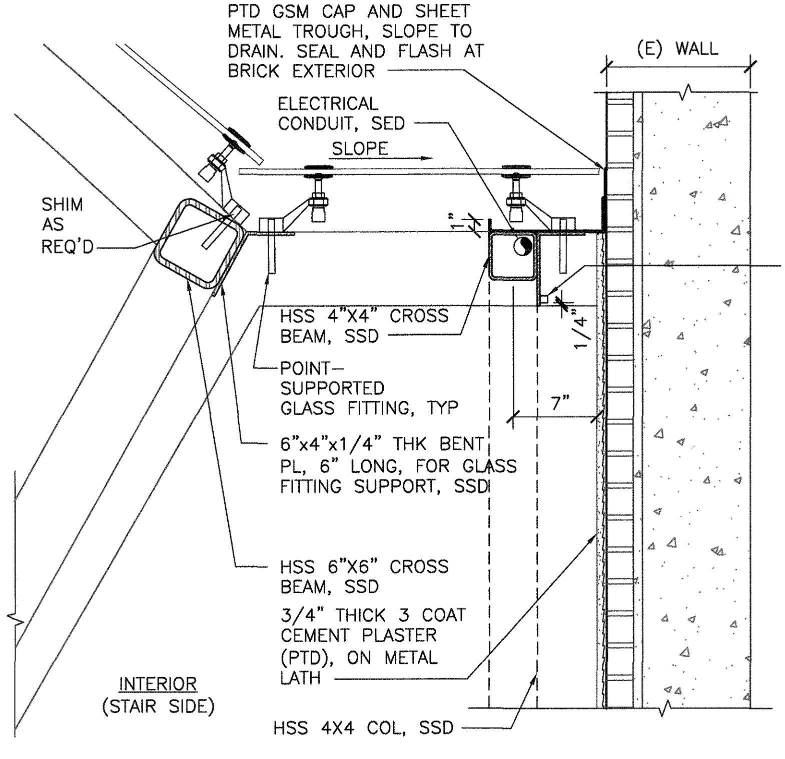
FMGcad2 Dec 17, 2015 – 3:02pm V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A460-P.dwg


9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
POINT SUPPORTED GLASS FITTING
WHERE FITTING PENETRATES STL CAP, PROVIDE WATERTIGHT SEAL
SLOPE
4"
3/4"
16 GA STL CAP (PTD)
NESTED METAL STUD FURRING
HSS 4X4, SSD
16 GA STL CAP AND LED LIGHT
(E) ELEVATOR
EXTERIOR
(PLAZA SIDE)
HSS 6X6, SSD
FOR CONSTRUCTION SHOWN BUT NOT NOTED, SEE DETAIL 1/A411

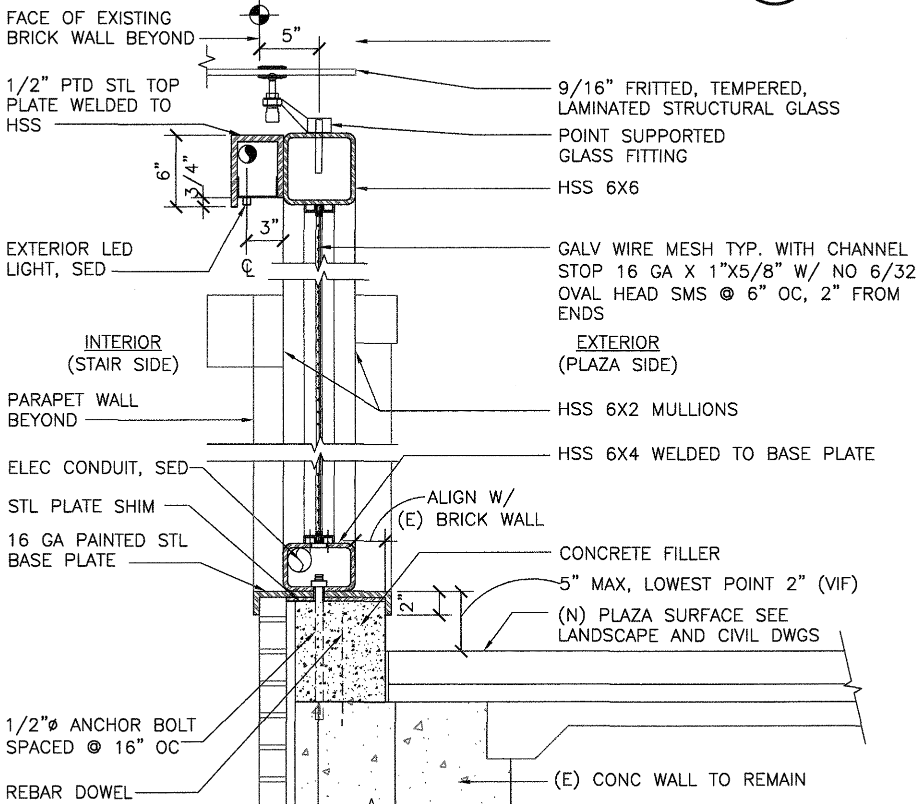
GLASS @ PARAPET CONDITION
SCALE: 1 1/2 "=1'-0"
1 A461 A160


WRAP GSM CAP AND FLASHING AROUND ELEVATOR WALL, SEAL
GALV GUTTER
SLOPE
SHIM AS REQ'D
4"
HSS 4"X4" CROSS BEAM (PTD), SSD
POINT-SUPPORTED GLASS FITTING
1/4"
7"
ELECTRICAL CONDUIT, SED
LED LIGHTING, SED
6"x4"x1/4" THK BENT PL, 6" LONG, FOR GLASS FITTING SUPPORT (PTD), SSD
HSS 6"X6" CROSS BEAM (PTD), SSD
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH
INTERIOR
(STAIR SIDE)
4"
FOR CONSTRUCTION SHOWN BUT NOT NOTED, SEE DETAIL 5/A410

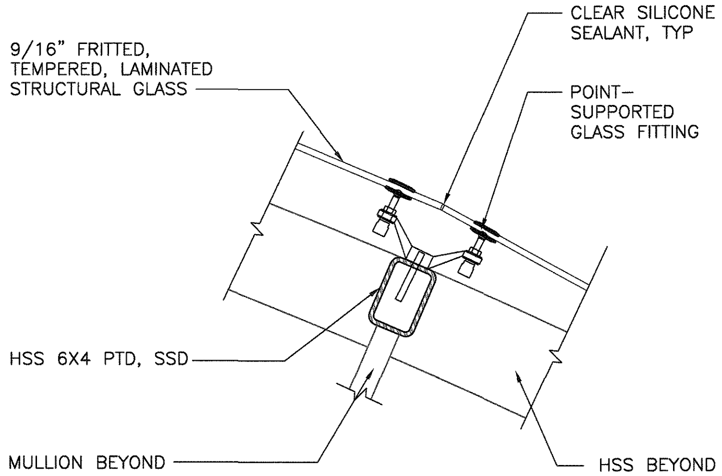
GLASS @ ELEVATOR
SCALE: 1 1/2"=1'-0"
2 A461 A160 A162


PTD GSM CAP AND SHEET METAL TROUGH, SLOPE TO DRAIN. SEAL AND FLASH AT BRICK EXTERIOR
(E) WALL
ELECTRICAL CONDUIT, SED
SLOPE
ELEVATOR SHAFT
SHIM AS REQ'D
LED LIGHTING, SED
HSS 4"X4" CROSS BEAM, SSD
POINT-SUPPORTED GLASS FITTING, TYP
1/4"
7"
6"x4"x1/4" THK BENT PL, 6" LONG, FOR GLASS FITTING SUPPORT, SSD
HSS 6"X6" CROSS BEAM, SSD
3/4" THICK 3 COAT CEMENT PLASTER (PTD), ON METAL LATH
INTERIOR
(STAIR SIDE)
HSS 4X4 COL, SSD

GLASS @ ELEV WALL CONDITION
SCALE: 1 1/2"=1'-0"
3 A461 A160 A162


FACE OF EXISTING BRICK WALL BEYOND
5"
1/2" PTD STL TOP PLATE WELDED TO HSS
9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
POINT SUPPORTED GLASS FITTING
6"
3/4"
HSS 6X6
3"
EXTERIOR LED LIGHT, SED
GALV WIRE MESH TYP. WITH CHANNEL STOP 16 GA X 1"X5/8" W/ NO 6/32 OVAL HEAD SMS @ 6" OC, 2" FROM ENDS
INTERIOR
(STAIR SIDE)
EXTERIOR
(PLAZA SIDE)
PARAPET WALL BEYOND
HSS 6X2 MULLIONS
ELEC CONDUIT, SED
HSS 6X4 WELDED TO BASE PLATE
STL PLATE SHIM
ALIGN W/ (E) BRICK WALL
16 GA PAINTED STL BASE PLATE
CONCRETE FILLER
2"
5" MAX, LOWEST POINT 2" (VIF)
(N) PLAZA SURFACE SEE LANDSCAPE AND CIVIL DWGS
1/2"ø ANCHOR BOLT SPACED @ 16" OC
(E) CONC WALL TO REMAIN
REBAR DOWEL

GLASS ROOF AT ENTRANCE 4
SCALE: 1 1/2 "=1'-0"
4 A461 A160 A161


CLEAR SILICONE SEALANT, TYP
9/16" FRITTED, TEMPERED, LAMINATED STRUCTURAL GLASS
POINT-SUPPORTED GLASS FITTING
HSS 6X4 PTD, SSD
MULLION BEYOND
HSS BEYOND

GLASS @ ENCLOSURE
SCALE: 1 1/2"=1'-0"
5 A461 A162

FMCook2 Dec 17, 2015 - 3:03pm V:\acaddata\1507.01 BERKELEY PLAZA\CONST DOCS\DWG\DB-A461-P.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: L. CANLAS
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

LICENSED ARCHITECT
RONALD FINGER
REN. 12/31/2017
NO. C11001
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

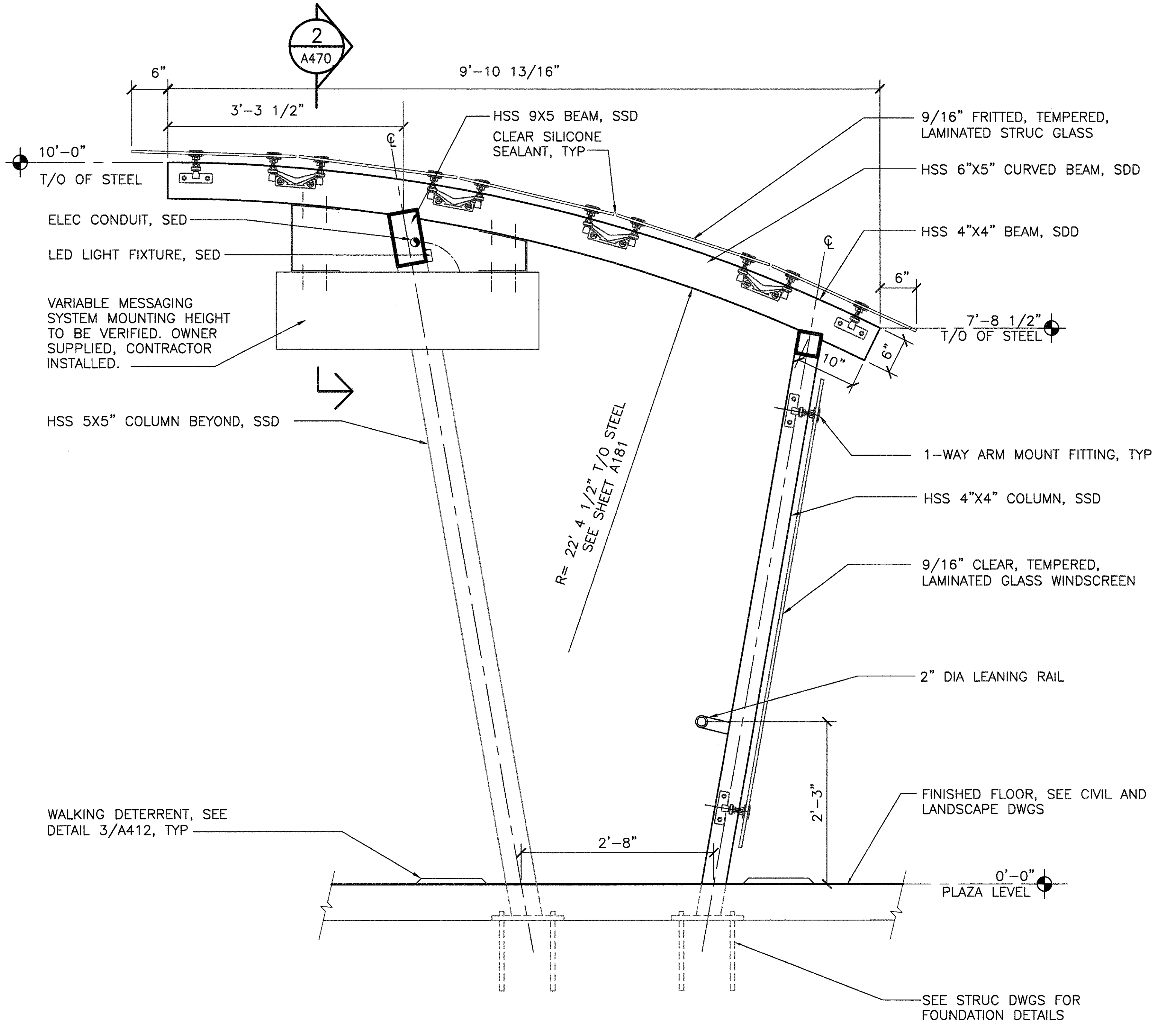
FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE 4 DETAILS
SHEET 2 OF 2

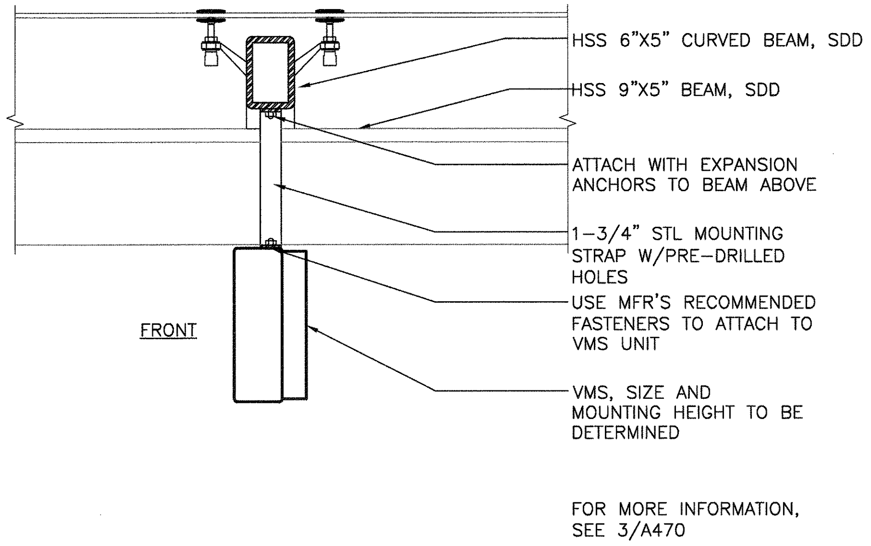
CADD FILENAME DB-A461-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A461
PAGE NO. 098


2
A470
6"
9'-10 13/16"
3'-3 1/2"
10'-0"
T/O OF STEEL
HSS 9X5 BEAM, SSD
CLEAR SILICONE SEALANT, TYP
9/16" FRITTED, TEMPERED, LAMINATED STRUC GLASS
HSS 6"X5" CURVED BEAM, SDD
ELEC CONDUIT, SED
LED LIGHT FIXTURE, SED
HSS 4"X4" BEAM, SDD
6"
7'-8 1/2"
T/O OF STEEL
VARIABLE MESSAGING SYSTEM MOUNTING HEIGHT TO BE VERIFIED. OWNER SUPPLIED, CONTRACTOR INSTALLED.
10"
6"
HSS 5X5" COLUMN BEYOND, SSD
R= 22' 4 1/2" T/O STEEL SEE SHEET A181
1-WAY ARM MOUNT FITTING, TYP
HSS 4"X4" COLUMN, SSD
9/16" CLEAR, TEMPERED, LAMINATED GLASS WINDSCREEN
2" DIA LEANING RAIL
2'-3"
FINISHED FLOOR, SEE CIVIL AND LANDSCAPE DWGS
WALKING DETERRENT, SEE DETAIL 3/A412, TYP
2'-8"
0'-0"
PLAZA LEVEL
SEE STRUC DWGS FOR FOUNDATION DETAILS

BUS SHELTER WALL SECTION

SCALE: 1"=1'-0"

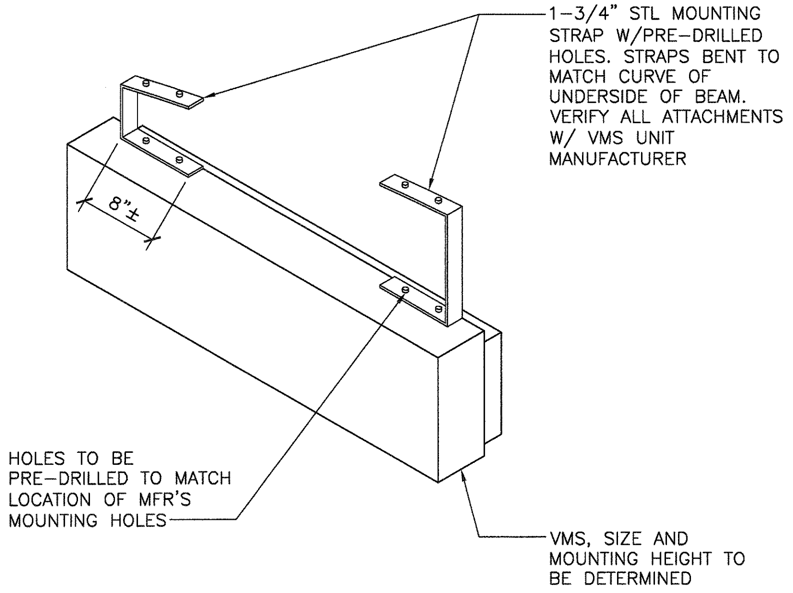
1
A470
A180, A181


HSS 6"X5" CURVED BEAM, SDD
HSS 9"X5" BEAM, SDD
ATTACH WITH EXPANSION ANCHORS TO BEAM ABOVE
1-3/4" STL MOUNTING STRAP W/PRE-DRILLED HOLES
USE MFR'S RECOMMENDED FASTENERS TO ATTACH TO VMS UNIT
FRONT
VMS, SIZE AND MOUNTING HEIGHT TO BE DETERMINED
FOR MORE INFORMATION, SEE 3/A470

VMS DETAIL

SCALE: 1-1/2"=1'-0"

2
A470


1-3/4" STL MOUNTING STRAP W/PRE-DRILLED HOLES. STRAPS BENT TO MATCH CURVE OF UNDERSIDE OF BEAM. VERIFY ALL ATTACHMENTS W/ VMS UNIT MANUFACTURER
8"±
HOLES TO BE PRE-DRILLED TO MATCH LOCATION OF MFR'S MOUNTING HOLES
VMS, SIZE AND MOUNTING HEIGHT TO BE DETERMINED

VMS DETAIL

NO SCALE

3
A470

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: B. ODA
DRAWN: C. ULLOA
CHECKED: C. GUADAGNE
APPROVED: R. FINGER
DATE: 20151015

RONALD J. FINGER
REN. 12/31/2017
NO. C11001

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

FMG ARCHITECTS
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

BUS SHELTER
DETAILS

CADD FILENAME DB-A470-P.dwg
SIZE: D
SCALE 1/4"= 1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. A470
PAGE NO. 099

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GENERAL LANDSCAPE NOTES

1. CONTRACTOR SHALL EXERCISE DUE CAUTION DURING CONSTRUCTION TO PROTECT ANY EXISTING LANDSCAPING, FIXTURES, SIGNS, EQUIPMENT, CONCRETE SIDEWALK, CONCRETE DRIVEWAY, CONCRETE CURB AND GUTTER, AC PAVING, UTILITIES, BART BOX STRUCTURE, ETC.TO REMAIN. ANY DAMAGE RESULTING FROM CONTRACTOR OPERATIONS SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO BART.

2. CONTRACTOR SHALL RESTORE ALL EXISTING PRIVATE AND PUBLIC IMPROVEMENTS DAMAGED DURING CONSTRUCTION TO THEIR EXISTING CONDITION OR BETTER. THIS INCLUDES, BUT IS NOT LIMITED TO ALL LANDSCAPING, IRRIGATION, FENCING, DRIVEWAYS, SIGNS, A.C. PAVING, CONCRETE WORK, UTILITIES, BART BOX STRUCTURE,SITE FURNITURE, LIGHTING, ETC. UNLESS NOTED OR DIRECTED OTHERWISE BY ENGINEER.

3. THE CONTRACTOR SHALL REMOVE ALL OBSTRUCTIONS, BOTH ABOVE-GROUND AND UNDERGROUND, INCLUDING VEGETATION, ROOTS AND DELETERIOUS MATERIALS, AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

4. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE SIMILAR TO THAT INDICATED OR NOTED FOR SIMILAR CONDITIONS AND CASES OF CONSTRUCTION ON THIS PROJECT. REFERENCES OF NOTES AND DETAILS TO SPECIFICATIONS AND LOCATION SHALL NOT LIMIT THEIR APPLICABILITY.

5. CONTRACTOR TO PROVIDE BIORETENTION TREE WELL AND STANDARD TREE WELL EDGES, FOOTINGS, AND MODULAR PAVEMENT SUPPORT SYSTEM (MPSS) SHOP DRAWINGS FOR ENGINEER'S REVIEW AND APPROVAL INCLUDING BUT NOT LIMITED TO PLANS, SECTIONS, AND DETAILS. REFLECTING FINAL PRODUCT SELECTION AND DESIGN OF MPSS, FIELD VERIFIED SITE CONDITIONS, AND OTHER ADJACENT CONDITIONS. BIORETENTION TREE WELL AND STANDARD TREE WELL EDGE AND FOOTING SHOP DRAWINGS TO BE INCLUDED IN DOCUMENTS REVIEWED AND APPROVED BY MPSS MANUFACTURER FOR COMPLIANCE WITH PRODUCT DESIGN AND INSTALLATION REQUIREMENTS.

6. DECORATIVE UTILITY COVER SIZES, LOCATIONS, AND QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR CONTACTING UTILITY COMPANIES AND REFERRING TO CONSTRUCTION DRAWINGS FOR DETERMINING FINAL SIZES, LOCATIONS, AND QUANTITIES OF DECORATIVE UTILITY COVERS. THE ENGINEER SHALL INSPECT AND APPROVE LOCATIONS OF UTILITIES AND DECORATIVE UTILITY COVERS PRIOR TO UTILITIES BEING PLACED IN THE FIELD AND THE CONCRETE SUB BASE IS FORMED AND PLACED.

DESIGN INTENT FOR THE PLACEMENT OF DECORATIVE UTILITY COVERS IS FOR DECORATIVE UTILITY COVERS TO ALIGN WITH EACH OTHER; BE LOCATED TWO PAVER COURSES OFF COPA EDGES (SUCH AS FROM CONCRETE CURBS, SIDEWALKS, AND TRENCH DRAIN GRATES); NOT BE PLACED WITHIN COPA 1 BANDS; BE PLACED OUTSIDE THE PEDESTRIAN PATH OF TRAVEL AS FEASIBLE; BE CLUSTERED TO THE GREATEST EXTENT AS FEASIBLE; AND BE CENTERED BETWEEN OTHER ELEMENTS SUCH AS EVENT LIGHT POLES AS IS GENERALLY REPRESENTED ON THE DRAWINGS.

11. PLANTS INSTALLED UNDER THIS CONTRACT THAT ARE DAMAGED OR STOLEN PRIOR TO SUBSTANTIAL COMPLETION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITHOUT ADDITIONAL COST. CONTRACTOR TO REPLACE PLANTS WITHIN TWO WEEKS OF NOTIFICATION BY ENGINEER. NO PLANTING SHALL BE GUARANTEED BEYOND THE MAINTENANCE PERIOD, EXCEPT AS TO CONFORMANCE TO SPECIFIED SPECIES AND VARIETY.

LAYOUT NOTES

1. HORIZONTAL AND VERTICAL DIMENSIONS PROVIDED ON THE DRAWINGS ARE APPROXIMATE. FIELD MEASUREMENTS MAY VARY FROM THOSE ON THE DRAWINGS. ADJUSTMENTS TO LINE AND GRADE MAY BE MADE BY ENGINEER DURING CONSTRUCTION.

PLANTING NOTES

1. NO PLANTING SHOULD BE STARTED UNTIL THE ENGINEER HAS APPROVED FINISH GRADING.

2. PLANTS SHALL CONFORM TO THE STATE OF CALIFORNIA GRADING CODE OF NURSERY STOCK, NO. 1 GRADE AND SHALL BE IN PRIME CONDITION WHEN INSTALLED AND ACCEPTED. SEE PLANTING SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS REGARDING QUALITY, TRANSPORTATION, PLANTING, ETC. ALL PLANT MATERIAL IS SUBJECT TO THE APPROVAL OF THE ENGINEER. ALL PLANTS SHALL BE OF THE GENUS, SPECIES VARIETY, CULTIVAR AND SIZES SHOWED ON THE PLANS. NO SUBSTITUTIONS ARE ACCEPTABLE, EXCEPT WITH THE WRITTEN CONSENT OF THE ENGINEER.

3. THE ENGINEER SHALL INSPECT ALL PLANTS AT THE PROJECT SITE.

4. LOCATE PLANTS AS SHOWN ON PLANS.

5. QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY. CONTRACTOR IS RESPONSIBLE FOR FURNISHING PLANT QUANTITIES AS GRAPHICALLY REPRESENTED ON THE DRAWINGS.

6. SEE SPECIFICATIONS FOR TESTING OF TOPSOILS AND AMENDMENTS. TESTING REQUIRES FOUR TO FIVE WEEKS. CONTRACTOR SHALL ALLOW SUFFICIENT TIME FOR TESTING PRIOR TO PLANT PROCUREMENT AND CONSTRUCTION.

7. NOTIFY THE ENGINEER FOR DIRECTION IF PLANT LOCATIONS REQUIRE ADJUSTMENT DUE TO UNDERGROUND OR ABOVE GROUND UTILITIES, STRUCTURES, AND/ON TO COMPLY WITH UTILITY, BART AND/ OR CITY REQUIREMENTS FOR SETBACKS, ETC., PRIOR TO IRRIGATION AND/ OR PLANT INSTALLATION. APPROVAL IS REQUIRED FOR ADJUSTMENTS IN LOCATIONS PRIOR TO INSTALLATION. ALL COSTS ASSOCIATED WITH ADJUSTMENTS IN IRRIGATION AND PLANT LOCATIONS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICES PAID FOR THE VARIOUS ITEMS WORK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED THEREFORE.

8. WATERING AND WEEDING SHALL BE DONE IN ALL PLANTING AREAS. SEE PLANTING SPECIFICATIONS.

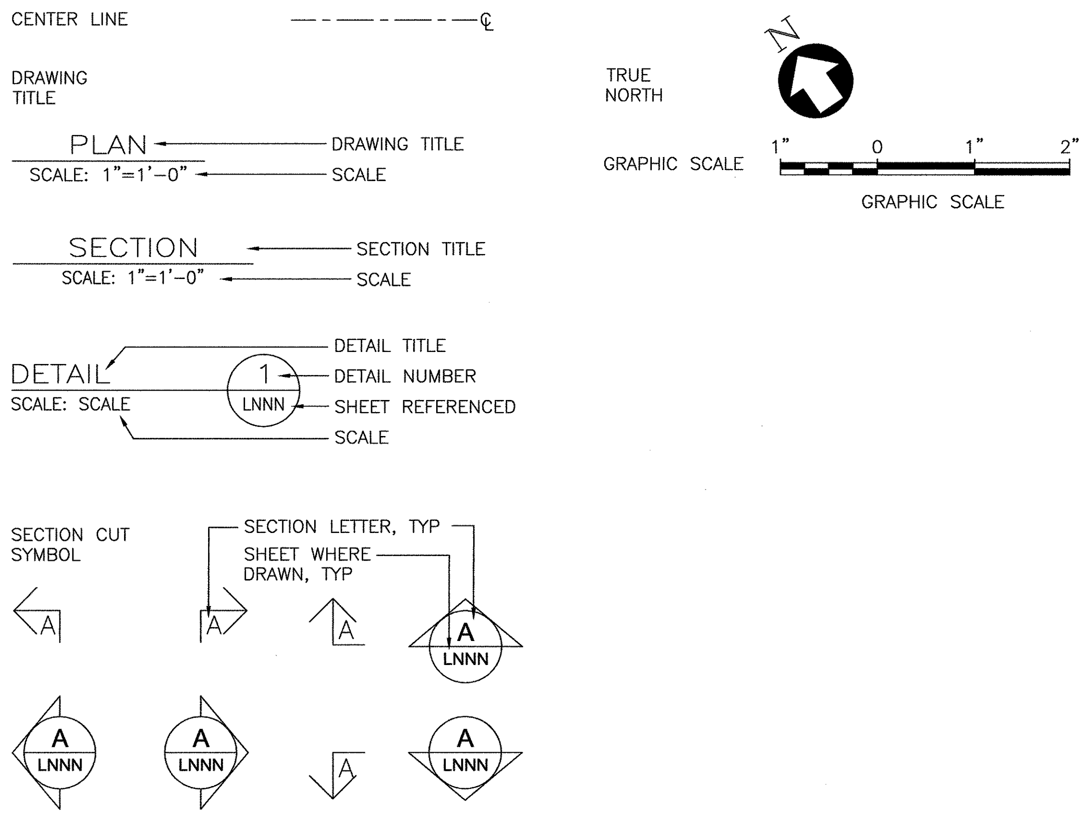
9. AXIS OF TREE STAKES SHALL BE SET 90 DEGREES TO PREVAILING DIRECTION OF THE WIND.

10. INSTALL MULCH AS INDICATED. KEEP MULCH FROM DIRECT CONTACT WITH STEMS OF PLANTS AND TREE TRUNKS. SEE PLANTING SPECIFICATIONS.

ABBREVIATIONS

BFS	BART FACILITIES STANDARDS
BMP	BEST MANAGEMENT PRACTICE
COPA	ARCHITECTURAL CONCRETE PAVER
CONC	CAST IN PLACE CONCRETE
DIA	DIAMETER
(E)	EXISTING
EJ	EXPANSION JOINT
FOC	FACE OF CURB
IJ	ISOLATION JOINT
MAX	MAXIMUM
MIN	MINIMUM
MPSS	MODULAR PAVEMENT SUPPORT SYSTEM
NIC	NOT IN CONTRACT
TBD	TO BE DETERMINED
(TYP.)	TYPICAL

SYMBOLS



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P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erickson

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

LANDSCAPE NOTES, ABBREVIATIONS, AND SYMBOLS

CADD FILENAME DB-L001-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L001
PAGE NO. 154

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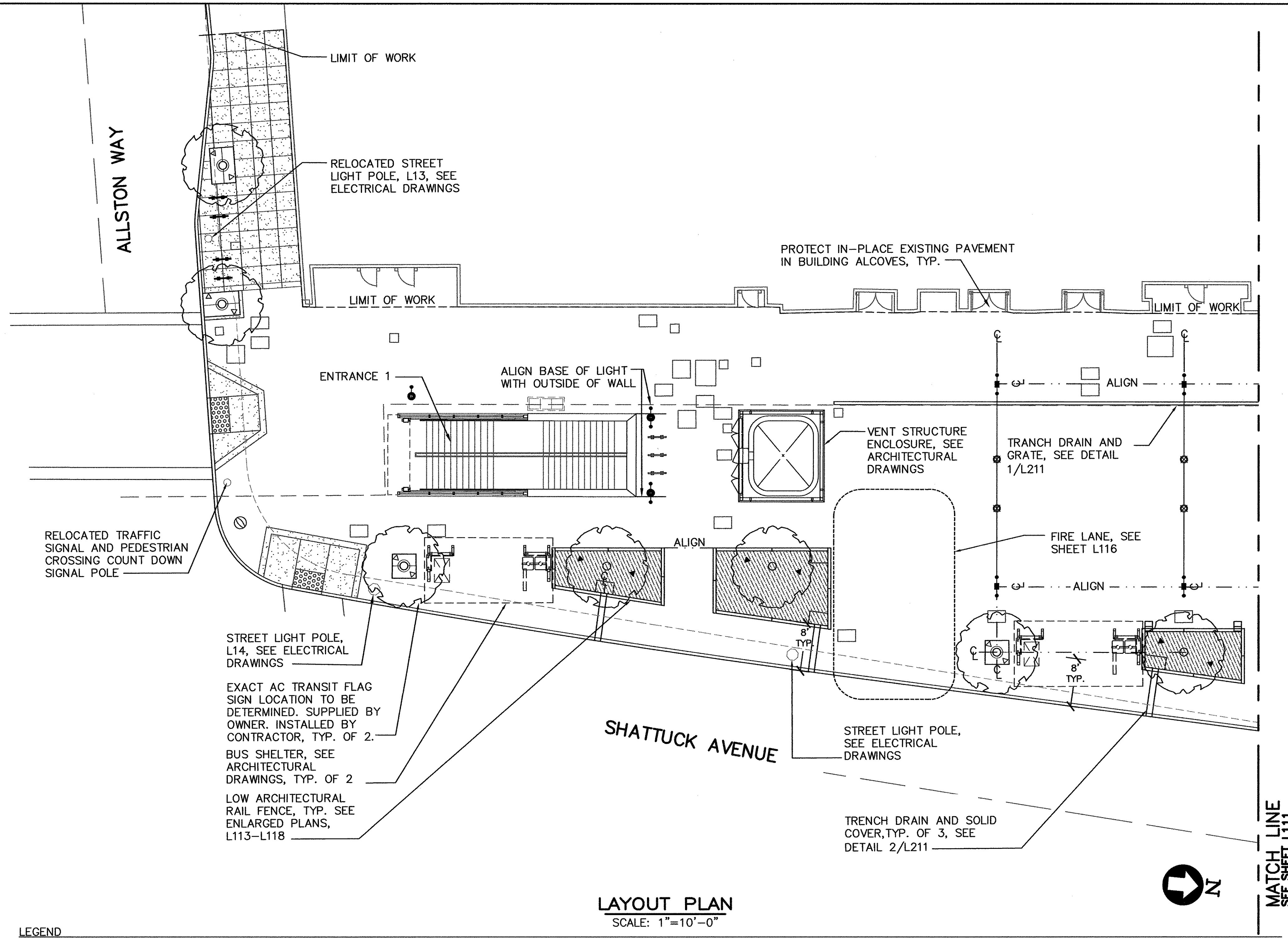
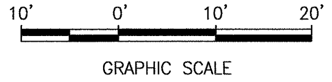

ALLSTON WAY
LIMIT OF WORK
RELOCATED STREET LIGHT POLE, L13, SEE ELECTRICAL DRAWINGS
PROTECT IN-PLACE EXISTING PAVEMENT IN BUILDING ALCOVES, TYP.
LIMIT OF WORK
LIMIT OF WORK
ENTRANCE 1
ALIGN BASE OF LIGHT WITH OUTSIDE OF WALL
ALIGN
VENT STRUCTURE ENCLOSURE, SEE ARCHITECTURAL DRAWINGS
TRANCH DRAIN AND GRATE, SEE DETAIL 1/L211
FIRE LANE, SEE SHEET L116
ALIGN
ALIGN
RELOCATED TRAFFIC SIGNAL AND PEDESTRIAN CROSSING COUNT DOWN SIGNAL POLE
8' TYP.
8' TYP.
STREET LIGHT POLE, L14, SEE ELECTRICAL DRAWINGS
EXACT AC TRANSIT FLAG SIGN LOCATION TO BE DETERMINED. SUPPLIED BY OWNER. INSTALLED BY CONTRACTOR, TYP. OF 2.
BUS SHELTER, SEE ARCHITECTURAL DRAWINGS, TYP. OF 2
LOW ARCHITECTURAL RAIL FENCE, TYP. SEE ENLARGED PLANS, L113–L118
SHATTUCK AVENUE
STREET LIGHT POLE, SEE ELECTRICAL DRAWINGS
TRENCH DRAIN AND SOLID COVER,TYP. OF 3, SEE DETAIL 2/L211
N
MATCH LINE
SEE SHEET L111



LAYOUT PLAN

SCALE: 1"=10'-0"

LEGEND

- NEW TREE
- EXISTING CURBLINE
- APPROXIMATE LIMIT OF BART STATION BOX BELOW
- ▨ PLANTING/ BIORETENTION AREA
- TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211
- GALVANIZED BIKE RACKS, ALLSTON WAY, SEE DETAIL 1/L210
- STAINLESS STEEL BIKE RACKS, PLAZA, SEE DETAIL 1/L210
- TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/210
- ○ RELOCATED SIGNAL POLE
- TRASH COMPACTOR SYSTEM, NIC
- ⊘ POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS
- ○ DOUBLE HEAD ACORN LIGHT, L14
- ● PEDESTRIAN AND EVENT LIGHT POLE, L4A AND L4B, SEE STRUCTURAL, ARCHITECTURAL, AND ELECTRICAL DRAWINGS
- ⊗ CATENARY MOUNTED LIGHT L5, SEE STRUCTURAL, ARCHITECTURAL AND ELECTRICAL DRAWINGS
- ⊟ BOLLARD SEAT LIGHT, L6, SEE 4/L210 AND ELECTRICAL DRAWINGS
- ▲ RAISED TREE UPLIGHT L11, 1/L212 AND ELECTRICAL DRAWINGS
- △ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

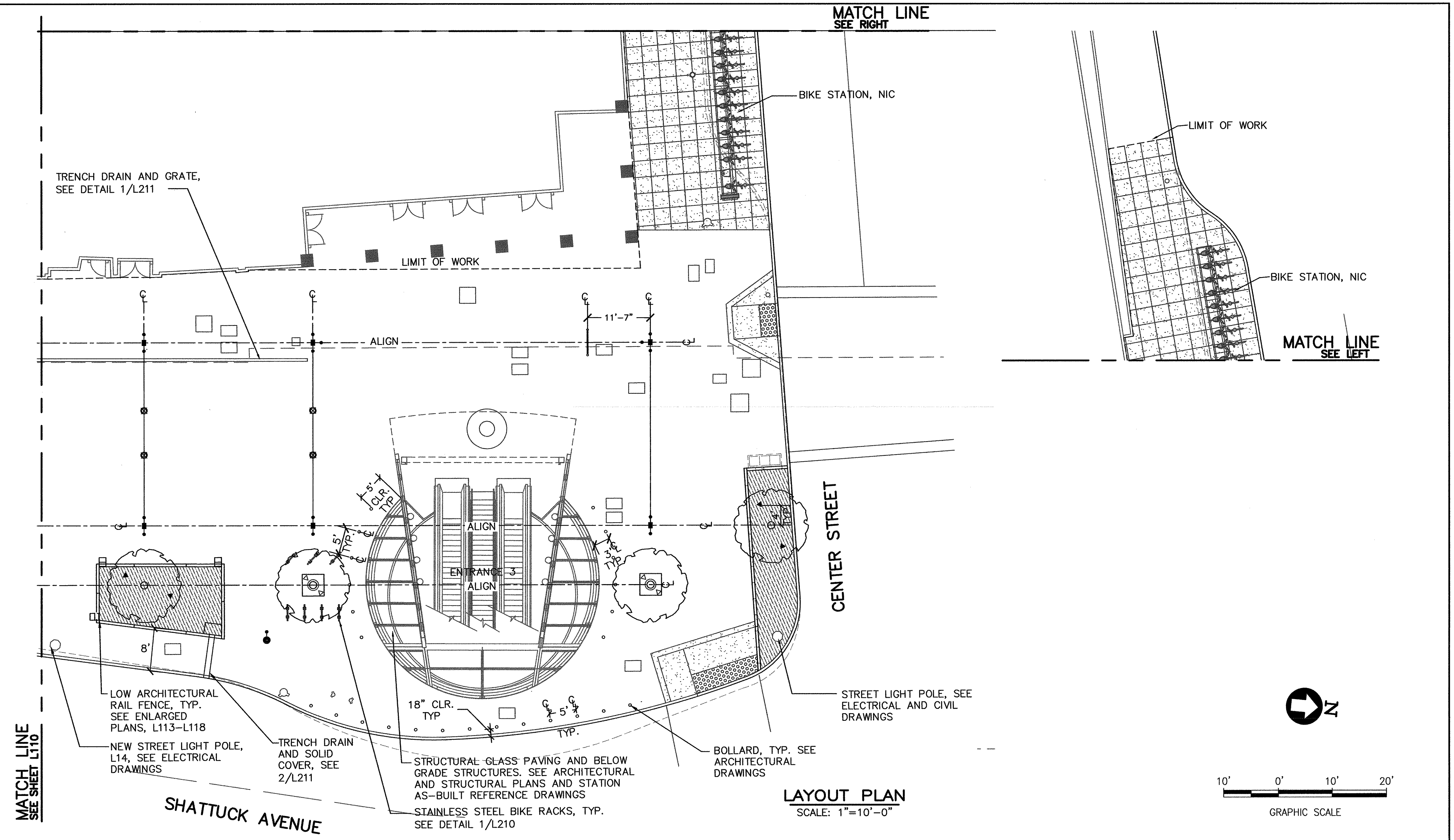
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

PLAZA LAYOUT PLAN
SHEET 1 OF 2

CADD FILENAME: DB-L110-P.dwg
SIZE: D
SCALE: 1" = 10'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L110
PAGE NO.: 155


MATCH LINE
SEE RIGHT
BIKE STATION, NIC
LIMIT OF WORK
BIKE STATION, NIC
MATCH LINE
SEE LEFT
TRENCH DRAIN AND GRATE, SEE DETAIL 1/L211
LIMIT OF WORK
11'-7"
ALIGN
5' CLR. TYP.
5' TYP.
ALIGN
ENTRANCE 3
ALIGN
5' TYP.
CENTER STREET
8'
18" CLR. TYP
5'
TYP.
STREET LIGHT POLE, SEE ELECTRICAL AND CIVIL DRAWINGS
LOW ARCHITECTURAL RAIL FENCE, TYP. SEE ENLARGED PLANS, L113-L118
NEW STREET LIGHT POLE, L14, SEE ELECTRICAL DRAWINGS
TRENCH DRAIN AND SOLID COVER, SEE 2/L211
STRUCTURAL GLASS PAVING AND BELOW GRADE STRUCTURES. SEE ARCHITECTURAL AND STRUCTURAL PLANS AND STATION AS-BUILT REFERENCE DRAWINGS
STAINLESS STEEL BIKE RACKS, TYP. SEE DETAIL 1/L210
BOLLARD, TYP. SEE ARCHITECTURAL DRAWINGS
MATCH LINE
SEE SHEET L110
SHATTUCK AVENUE
N
10' 0' 10' 20'
GRAPHIC SCALE

LAYOUT PLAN
SCALE: 1"=10'-0"

LEGEND

✿	NEW TREE
▨	PLANTING/ BIORETENTION AREA
═	TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211
----	EXISTING CURBLINE
— —	APPROXIMATE LIMIT OF BART STATION BOX BELOW
⫶	STAINLESS STEEL BIKE RACKS, PLAZA, SEE DETAIL 1/L210
/	WAYFINDING SIGNAGE, SEE ARCHITECTURAL DRAWINGS
⊡	TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210
∘	SIGNAL POLE
·	BOLLARD, SEE ARCHITECTURAL DRAWINGS
▭	TRASH COMPACTOR SYSTEM, NIC
▽	FIRE HYDRANT
▽	NEW FIRE DEPARTMENT CONNECTION
○	SINGLE ACORN LIGHT, L7
○	DOUBLE HEAD ACORN LIGHT, L14
╪ ●	PEDESTRIAN AND EVENT LIGHT POLES, L4A AND L4B, SEE STRUCTURAL, ARCHITECTURAL, AND ELECTRICAL DRAWINGS
⊗	CATENARY MOUNTED LIGHT L5, SEE STRUCTURAL, ARCHITECTURAL, AND ELECTRICAL DRAWINGS
⊟	BOLLARD SEAT LIGHT, L6, SEE 4/L210 AND ELECTRICAL DRAWINGS
▲	RAISED TREE UPLIGHT L11, 1/L212 AND ELECTRICAL DRAWINGS
△	TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

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DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

PLAZA LAYOUT PLAN
SHEET 2 OF 2

CADD FILENAME: DB-L111-P.dwg
SIZE: D
SCALE: 1" = 10'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L111
PAGE NO.: 156

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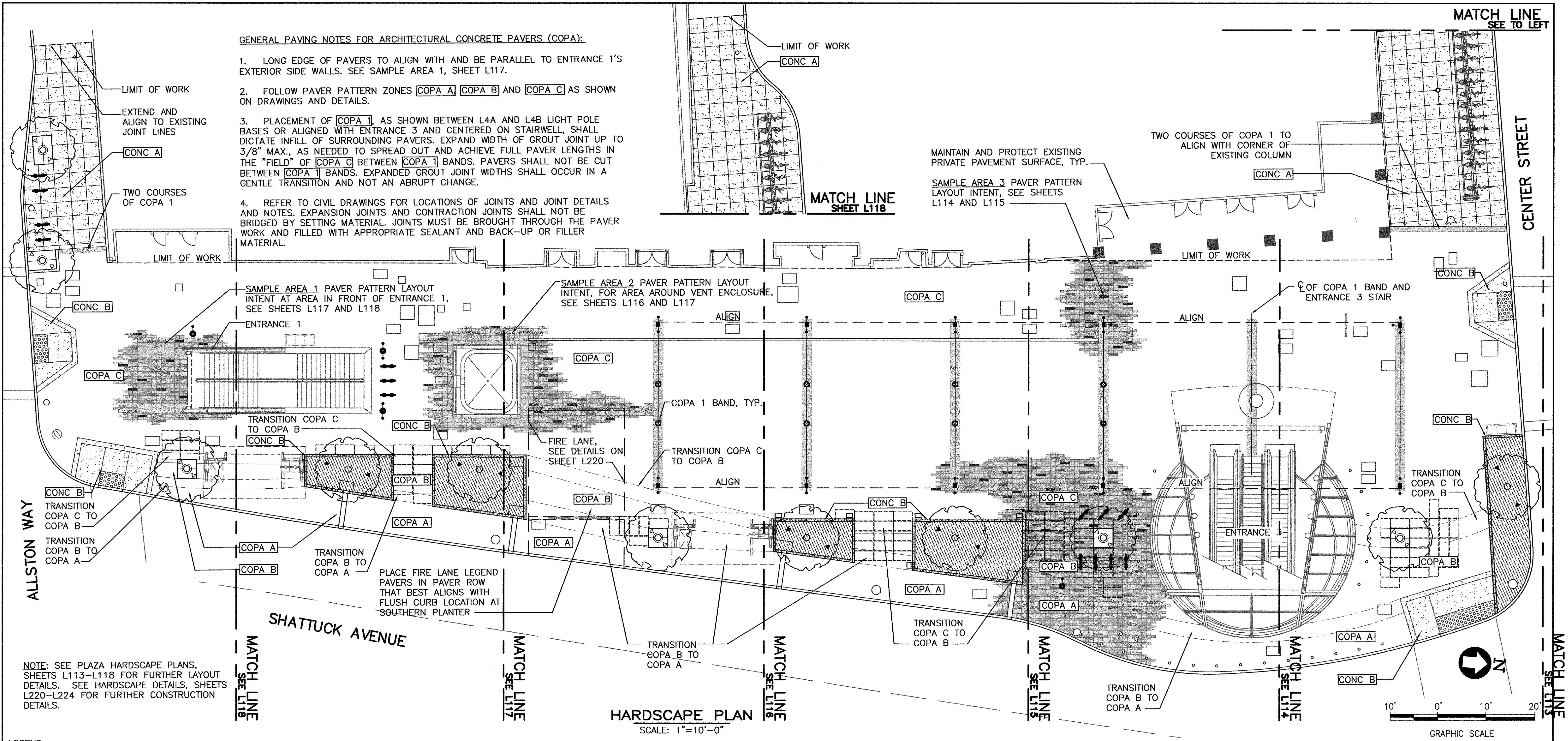

MATCH LINE SEE TO LEFT
LIMIT OF WORK
EXTEND AND ALIGN TO EXISTING JOINT LINES
CONC A
TWO COURSES OF COPA 1
MATCH LINE SHEET L118
MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.
SAMPLE AREA 3 PAVER PATTERN LAYOUT INTENT, SEE SHEETS L114 AND L115
TWO COURSES OF COPA 1 TO ALIGN WITH CORNER OF EXISTING COLUMN
CENTER STREET
SAMPLE AREA 1 PAVER PATTERN LAYOUT INTENT AT AREA IN FRONT OF ENTRANCE 1, SEE SHEETS L117 AND L118
ENTRANCE 1
SAMPLE AREA 2 PAVER PATTERN LAYOUT INTENT, FOR AREA AROUND VENT ENCLOSURE, SEE SHEETS L116 AND L117
CONC B
COPA C
ALIGN
℄ OF COPA 1 BAND AND ENTRANCE 3 STAIR
COPA 1 BAND, TYP.
TRANSITION COPA C TO COPA B
FIRE LANE, SEE DETAILS ON SHEET L220
COPA B
COPA A
ALLSTON WAY
TRANSITION COPA C TO COPA B
TRANSITION COPA B TO COPA A
TRANSITION COPA B TO COPA A
PLACE FIRE LANE LEGEND PAVERS IN PAVER ROW THAT BEST ALIGNS WITH FLUSH CURB LOCATION AT SOUTHERN PLANTER
SHATTUCK AVENUE
TRANSITION COPA B TO COPA A
TRANSITION COPA C TO COPA B
ENTRANCE 3
TRANSITION COPA B TO COPA A
MATCH LINE SEE L118
MATCH LINE SEE L117
MATCH LINE SEE L116
MATCH LINE SEE L115
MATCH LINE SEE L114
MATCH LINE SEE L113
N
10' 0' 10' 20'
GRAPHIC SCALE

GENERAL PAVING NOTES FOR ARCHITECTURAL CONCRETE PAVERS (COPA):

1. LONG EDGE OF PAVERS TO ALIGN WITH AND BE PARALLEL TO ENTRANCE 1'S EXTERIOR SIDE WALLS. SEE SAMPLE AREA 1, SHEET L117.

2. FOLLOW PAVER PATTERN ZONES COPA A, COPA B AND COPA C AS SHOWN ON DRAWINGS AND DETAILS.

3. PLACEMENT OF COPA 1, AS SHOWN BETWEEN L4A AND L4B LIGHT POLE BASES OR ALIGNED WITH ENTRANCE 3 AND CENTERED ON STAIRWELL, SHALL DICTATE INFILL OF SURROUNDING PAVERS. EXPAND WIDTH OF GROUT JOINT UP TO 3/8" MAX., AS NEEDED TO SPREAD OUT AND ACHIEVE FULL PAVER LENGTHS IN THE "FIELD" OF COPA C BETWEEN COPA 1 BANDS. PAVERS SHALL NOT BE CUT BETWEEN COPA 1 BANDS. EXPANDED GROUT JOINT WIDTHS SHALL OCCUR IN A GENTLE TRANSITION AND NOT AN ABRUPT CHANGE.

4. REFER TO CIVIL DRAWINGS FOR LOCATIONS OF JOINTS AND JOINT DETAILS AND NOTES. EXPANSION JOINTS AND CONTRACTION JOINTS SHALL NOT BE BRIDGED BY SETTING MATERIAL. JOINTS MUST BE BROUGHT THROUGH THE PAVER WORK AND FILLED WITH APPROPRIATE SEALANT AND BACK-UP OR FILLER MATERIAL.

NOTE: SEE PLAZA HARDSCAPE PLANS, SHEETS L113–L118 FOR FURTHER LAYOUT DETAILS. SEE HARDSCAPE DETAILS, SHEETS L220–L224 FOR FURTHER CONSTRUCTION DETAILS.

HARDSCAPE PLAN

SCALE: 1"=10'-0"

LEGEND

- CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS
- CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES

- COPA 1
- COPA 2
- COPA 3
- COPA 4
- COPA 5

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

- COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223
- COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223
- COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223
- BUS SHELTER, SEE ARCHITECTURAL DRAWINGS
- NEW TREE
- TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211
- ▨ PLANTING/ BIORETENTION AREA
- TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/210
- BIKE RACKS, SEE SHEETS L110 AND L111
- APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM
- TRASH COMPACTOR SYSTEM, NIC
- ⊘ POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS
- WAYFINDING SIGNAGE, SEE ARCHITECTURAL DRAWINGS
- ◦ BOLLARD, SEE ARCHITECTURAL DRAWINGS
- FIRE HYDRANT
- ▽ FIRE DEPARTMENT CONNECTION
- PEDESTRIAN AND EVENT LIGHT POLES, L4A AND L4B. SEE STRUCTURAL AND ELECTRICAL DRAWINGS
- ⊟ BOLLARD SEAT LIGHT, L6, SEE 4/L210, L115 AND ELECTRICAL DRAWINGS
- △ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS
- ▲ RAISED TREE UPLIGHT L11, SEE 1/L212 AND ELECTRICAL DRAWINGS
- ○ RELOCATED STREET LIGHT, L13
- ◯ DOUBLE HEAD ACORN LIGHT, L14
- ○ SINGLE HEAD ACORN LIGHT, L7

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT PHILIP A. ERICKSON NO. C 23060 REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

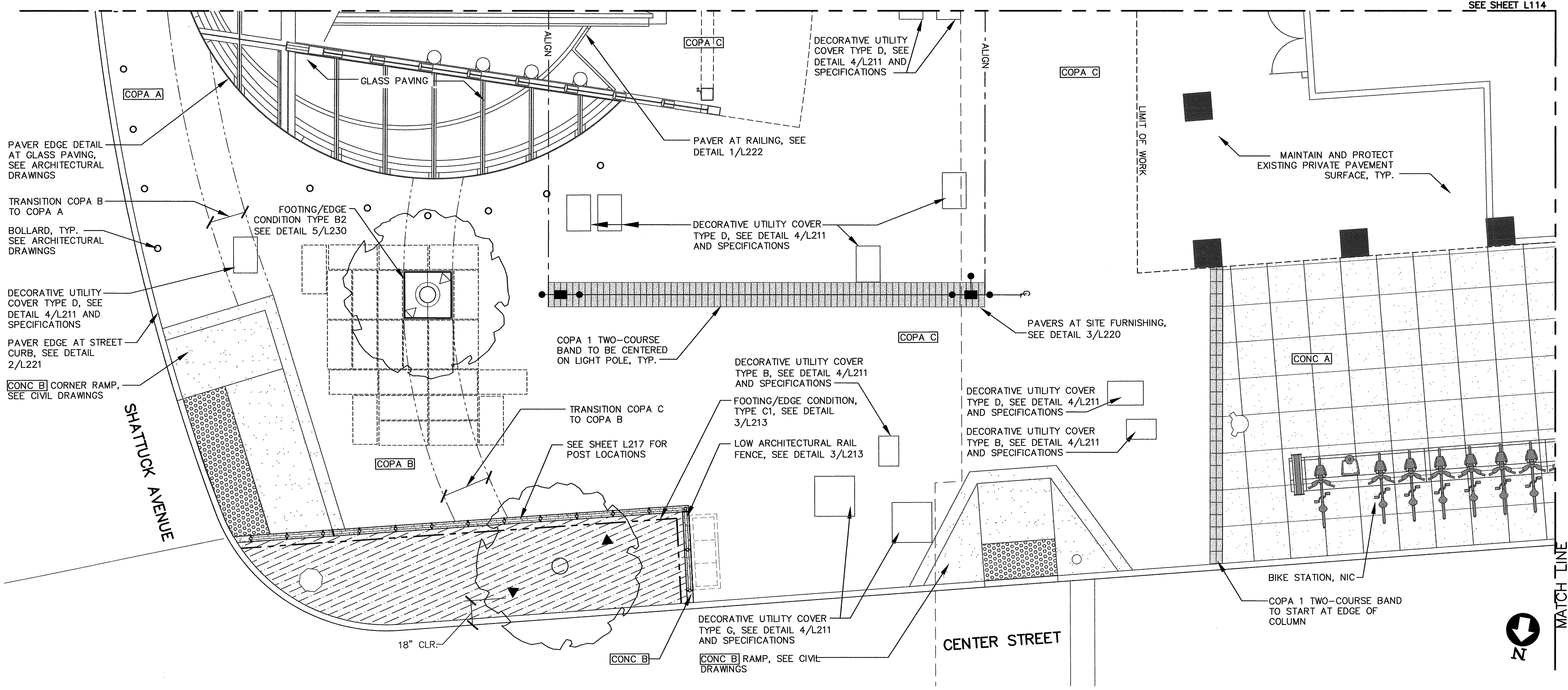
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

PLAZA HARDSCAPE PLAN

CADD FILENAME DB–L112–P.dwg
SIZE: D
SCALE 1" = 10'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L112
PAGE NO. 157

Ashley Dec 17, 2015 - 4:58pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L112-A-16km.dwg


MATCH LINE
SEE SHEET L114
COPA A
COPA B
COPA C
CONC A
GLASS PAVING
ALIGN
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
PAVER AT RAILING, SEE DETAIL 1/L222
LIMIT OF WORK
MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.
PAVER EDGE DETAIL AT GLASS PAVING, SEE ARCHITECTURAL DRAWINGS
TRANSITION COPA B TO COPA A
BOLLARD, TYP. SEE ARCHITECTURAL DRAWINGS
FOOTING/EDGE CONDITION TYPE B2 SEE DETAIL 5/L230
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
PAVER EDGE AT STREET CURB, SEE DETAIL 2/L221
CONC B CORNER RAMP, SEE CIVIL DRAWINGS
COPA 1 TWO-COURSE BAND TO BE CENTERED ON LIGHT POLE, TYP.
PAVERS AT SITE FURNISHING, SEE DETAIL 3/L220
DECORATIVE UTILITY COVER TYPE B, SEE DETAIL 4/L211 AND SPECIFICATIONS
FOOTING/EDGE CONDITION, TYPE C1, SEE DETAIL 3/L213
LOW ARCHITECTURAL RAIL FENCE, SEE DETAIL 3/L213
TRANSITION COPA C TO COPA B
SEE SHEET L217 FOR POST LOCATIONS
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
DECORATIVE UTILITY COVER TYPE B, SEE DETAIL 4/L211 AND SPECIFICATIONS
SHATTUCK AVENUE
18" CLR.
CONC B
DECORATIVE UTILITY COVER TYPE G, SEE DETAIL 4/L211 AND SPECIFICATIONS
CONC B RAMP, SEE CIVIL DRAWINGS
CENTER STREET
BIKE STATION, NIC
COPA 1 TWO-COURSE BAND TO START AT EDGE OF COLUMN
MATCH LINE
SEE SHEET L113A
N

PLAZA PLAN

SCALE: 1"=4'-0"

GRAPHIC SCALE

LEGEND

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS

▨ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES

- ▨ COPA 1
- ▨ COPA 2
- ▨ COPA 3
- ▨ COPA 4
- ■ COPA 5

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

▥ APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM

NEW TREE

NTS

— — APPROXIMATE LIMIT OF BART STATION BOX BELOW

▨ PLANTING/ BIORETENTION AREA

◎ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210

○ BOLLARD, SEE ARCHITECTURAL DRAWINGS

TRASH COMPACTOR SYSTEM, NIC

FIRE HYDRANT

EVENT LIGHT POLES, L4A AND L4B. SEE STRUCTURAL, ARCHITECTURAL, AND ELECTRICAL DRAWINGS

▲ RAISED TREE UPLIGHT L11, SEE 1/L212 AND ELECTRICAL DRAWINGS

△ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

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P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT
PHILIP A. ERICKSON
No. C 23060
REN. 8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

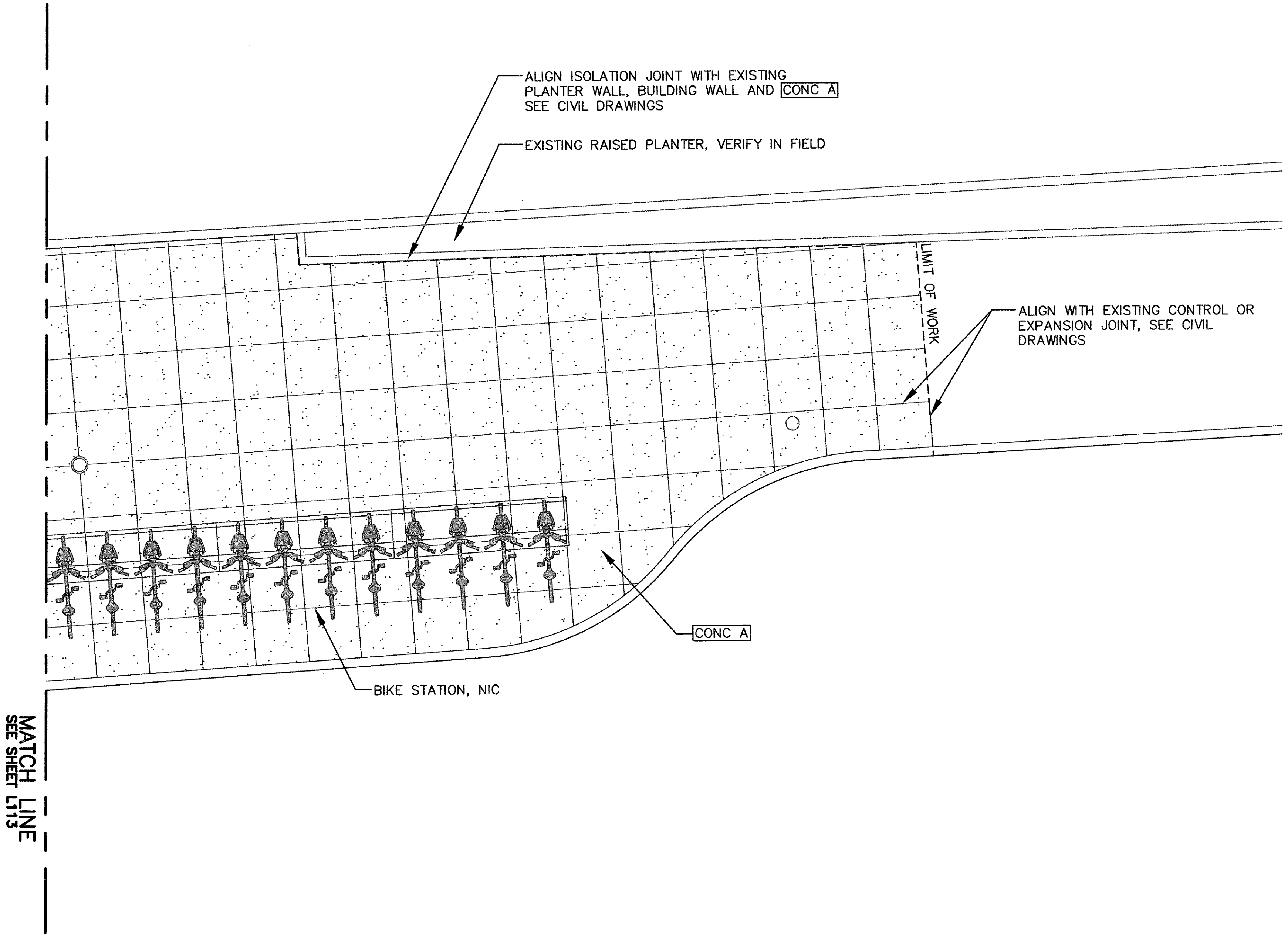
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 1 OF 7

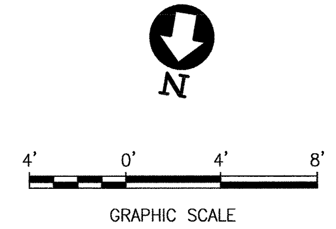
CADD FILENAME DB-L113-P.dwg
SIZE: D
SCALE 1" = 4'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L113
PAGE NO. 158

Katrina Majewski Dec 17, 2015 - 5:03pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L113-A-12ac.dwg


ALIGN ISOLATION JOINT WITH EXISTING PLANTER WALL, BUILDING WALL AND CONC A SEE CIVIL DRAWINGS
EXISTING RAISED PLANTER, VERIFY IN FIELD
LIMIT OF WORK
ALIGN WITH EXISTING CONTROL OR EXPANSION JOINT, SEE CIVIL DRAWINGS
CONC A
BIKE STATION, NIC
MATCH LINE
SEE SHEET L113

PLAZA PLAN

SCALE: 1"=4'-0"



LEGEND

▨	CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH, TO MATCH CITY OF BERKELEY STANDARD. SEE SPECIFICATIONS. JOINTING AS PER CIVIL DRAWINGS AND SPECIFICATIONS
○	SINGLE HEAD ACORN LIGHT, L7

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REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE

COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP

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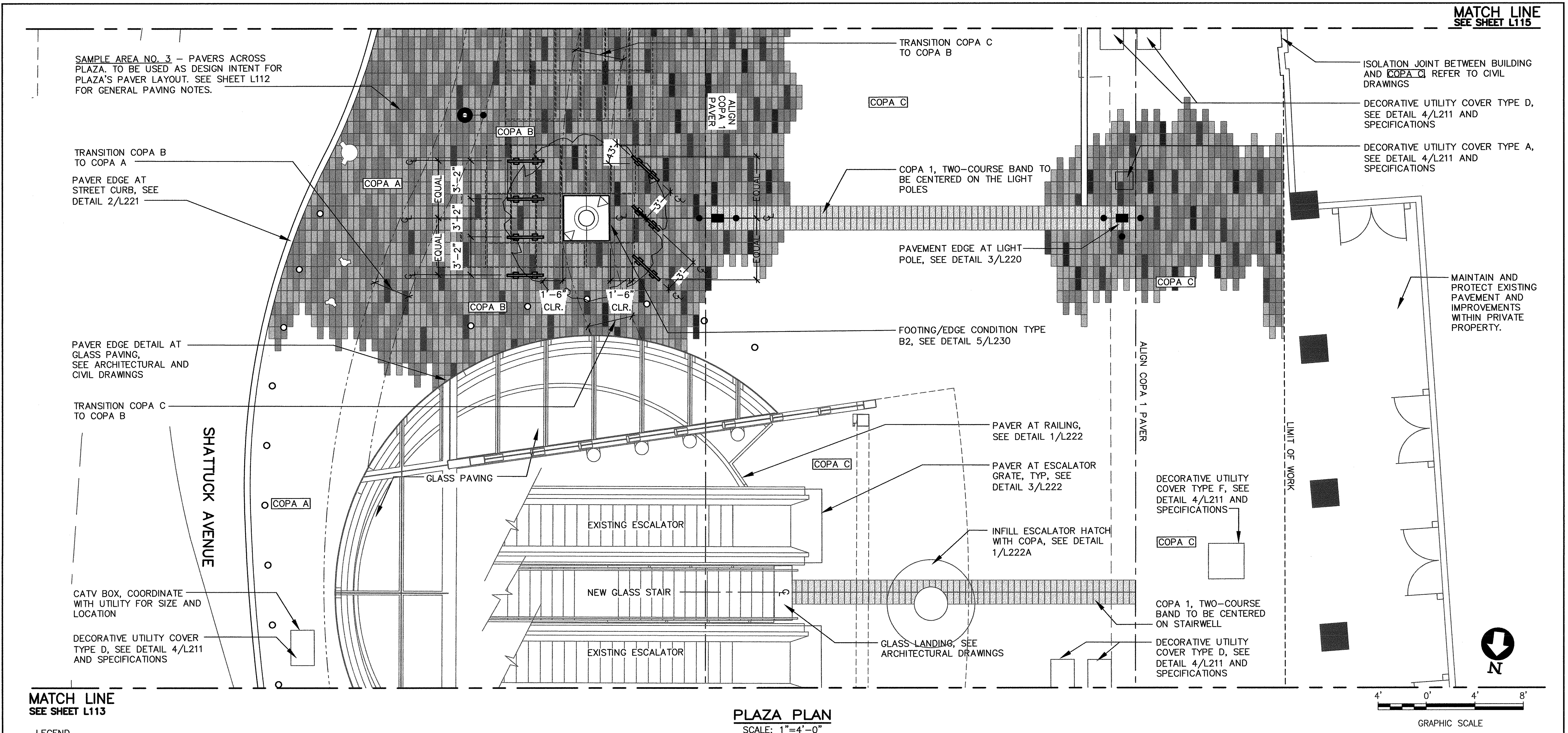
FMG ARCHITECTS

APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 2 OF 7

CADD FILENAME: DB-L113A-P.dwg
SIZE: D
SCALE: 1" = 4'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L113A
PAGE NO.: 159


MATCH LINE
SEE SHEET L115
SAMPLE AREA NO. 3 – PAVERS ACROSS PLAZA. TO BE USED AS DESIGN INTENT FOR PLAZA'S PAVER LAYOUT. SEE SHEET L112 FOR GENERAL PAVING NOTES.
TRANSITION COPA C TO COPA B
ISOLATION JOINT BETWEEN BUILDING AND COPA C. REFER TO CIVIL DRAWINGS
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS
COPA C
COPA B
ALIGN COPA 1 PAVER
TRANSITION COPA B TO COPA A
PAVER EDGE AT STREET CURB, SEE DETAIL 2/L221
COPA A
EQUAL
3'-2"
3'-2"
3'-2"
4'-3"
3'
3'
EQUAL
EQUAL
COPA 1, TWO-COURSE BAND TO BE CENTERED ON THE LIGHT POLES
PAVEMENT EDGE AT LIGHT POLE, SEE DETAIL 3/L220
COPA C
MAINTAIN AND PROTECT EXISTING PAVEMENT AND IMPROVEMENTS WITHIN PRIVATE PROPERTY.
1'-6" CLR.
1'-6" CLR.
COPA B
FOOTING/EDGE CONDITION TYPE B2, SEE DETAIL 5/L230
PAVER EDGE DETAIL AT GLASS PAVING, SEE ARCHITECTURAL AND CIVIL DRAWINGS
TRANSITION COPA C TO COPA B
ALIGN COPA 1 PAVER
LIMIT OF WORK
SHATTUCK AVENUE
PAVER AT RAILING, SEE DETAIL 1/L222
PAVER AT ESCALATOR GRATE, TYP, SEE DETAIL 3/L222
COPA C
GLASS PAVING
COPA A
DECORATIVE UTILITY COVER TYPE F, SEE DETAIL 4/L211 AND SPECIFICATIONS
EXISTING ESCALATOR
INFILL ESCALATOR HATCH WITH COPA, SEE DETAIL 1/L222A
COPA C
NEW GLASS STAIR
CATV BOX, COORDINATE WITH UTILITY FOR SIZE AND LOCATION
COPA 1, TWO-COURSE BAND TO BE CENTERED ON STAIRWELL
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
GLASS LANDING, SEE ARCHITECTURAL DRAWINGS
EXISTING ESCALATOR
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
N
MATCH LINE
SEE SHEET L113
4' 0' 4' 8'
GRAPHIC SCALE

PLAZA PLAN

SCALE: 1"=4'-0"

LEGEND

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS

▨ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES

- ▨ COPA 1
- ▨ COPA 2
- ▨ COPA 3
- ▨ COPA 4
- ▨ COPA 5

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM

NEW TREE (NTS)

TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211

— — APPROXIMATE LIMIT OF BART STATION BOX BELOW

TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210

BIKE RACKS, SEE SHEETS L110 AND L111

○ BOLLARD, SEE ARCHITECTURAL DRAWINGS

FIRE HYDRANT

▽ FIRE DEPARTMENT CONNECTION

PEDESTRIAN AND EVENT LIGHT POLES, L4A. SEE STRUCTURAL AND ELECTRICAL DRAWINGS

△ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

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P	20151015				ISSUED FOR BID						HALF SIZE

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LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erickson

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 3 OF 7

CADD FILENAME DB–L114–P.dwg
SIZE: D
SCALE 1" = 4'–0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L114
PAGE NO. 160

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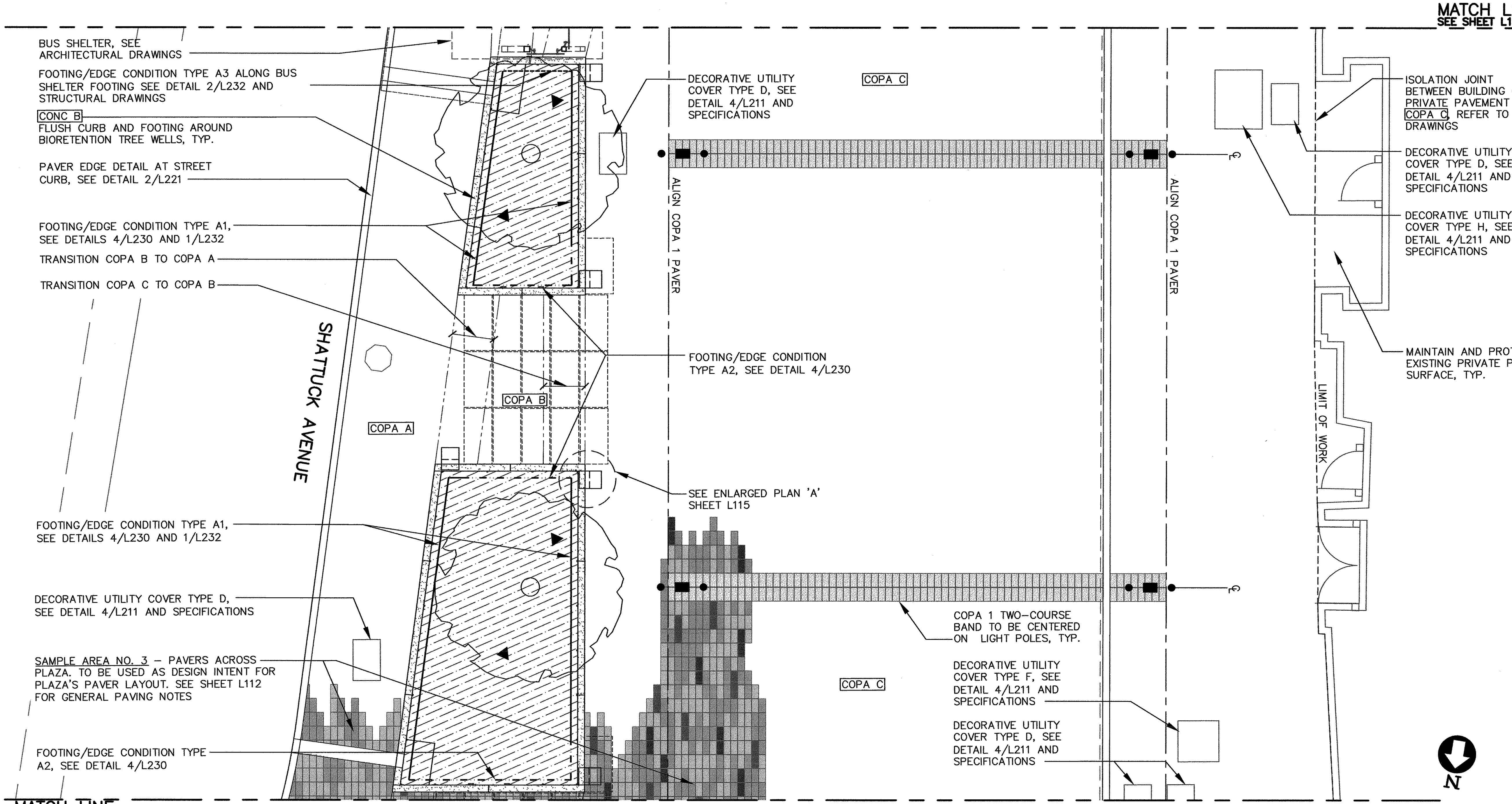
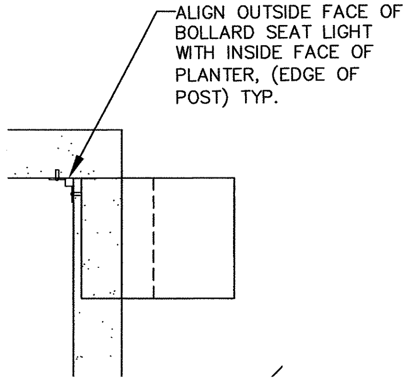
MATCH LINE
SEE SHEET L116


BUS SHELTER, SEE ARCHITECTURAL DRAWINGS
FOOTING/EDGE CONDITION TYPE A3 ALONG BUS SHELTER FOOTING SEE DETAIL 2/L232 AND STRUCTURAL DRAWINGS
CONC B FLUSH CURB AND FOOTING AROUND BIORETENTION TREE WELLS, TYP.
PAVER EDGE DETAIL AT STREET CURB, SEE DETAIL 2/L221
FOOTING/EDGE CONDITION TYPE A1, SEE DETAILS 4/L230 AND 1/L232
TRANSITION COPA B TO COPA A
TRANSITION COPA C TO COPA B
SHATTUCK AVENUE
COPA A
COPA B
FOOTING/EDGE CONDITION TYPE A1, SEE DETAILS 4/L230 AND 1/L232
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
SAMPLE AREA NO. 3 – PAVERS ACROSS PLAZA. TO BE USED AS DESIGN INTENT FOR PLAZA'S PAVER LAYOUT. SEE SHEET L112 FOR GENERAL PAVING NOTES
FOOTING/EDGE CONDITION TYPE A2, SEE DETAIL 4/L230
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
COPA C
ALIGN COPA 1 PAVER
FOOTING/EDGE CONDITION TYPE A2, SEE DETAIL 4/L230
SEE ENLARGED PLAN 'A' SHEET L115
COPA 1 TWO-COURSE BAND TO BE CENTERED ON LIGHT POLES, TYP.
COPA C
DECORATIVE UTILITY COVER TYPE F, SEE DETAIL 4/L211 AND SPECIFICATIONS
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
ALIGN COPA 1 PAVER
LIMIT OF WORK
ISOLATION JOINT BETWEEN BUILDING OR PRIVATE PAVEMENT AND COPA C, REFER TO CIVIL DRAWINGS
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
DECORATIVE UTILITY COVER TYPE H, SEE DETAIL 4/L211 AND SPECIFICATIONS
MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.
N

MATCH LINE
SEE SHEET L114

PLAZA PLAN

SCALE: 1"=4'-0"


ALIGN OUTSIDE FACE OF BOLLARD SEAT LIGHT WITH INSIDE FACE OF PLANTER, (EDGE OF POST) TYP.

ENLARGED PLAN 'A'

SCALE: 1"=1'-0"

4' 0' 4' 8'

GRAPHIC SCALE

LEGEND

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS

▨ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES
- ▨ COPA 1
- ▨ COPA 2
- ■ COPA 3
- ■ COPA 4
- ■ COPA 5

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

▥ APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM

⊙ NEW TREE
NTS

— — APPROXIMATE LIMIT OF BART STATION BOX BELOW

═ TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211

▨ PLANTING/ BIORETENTION AREA

◎ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210

•■• EVENT LIGHT POLES, L4A AND L4B. SEE STRUCTURAL AND ELECTRICAL DRAWINGS

○ DOUBLE HEAD ACORN LIGHT, L14

▲ RAISED TREE UPLIGHT L11, SEE 1/L212 AND ELECTRICAL DRAWINGS

▯ BOLLARD SEAT LIGHT, L6, SEE 4/L210 AND ELECTRICAL DRAWINGS

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APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23000
REN.8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
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SUBMITTED

FMG ARCHITECTS
APPROVED

FMG ARCHITECTS
PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 4 OF 7

CADD FILENAME: DB-L115-P.dwg
SIZE: D
SCALE: 1' = 4'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L115
PAGE NO. 161

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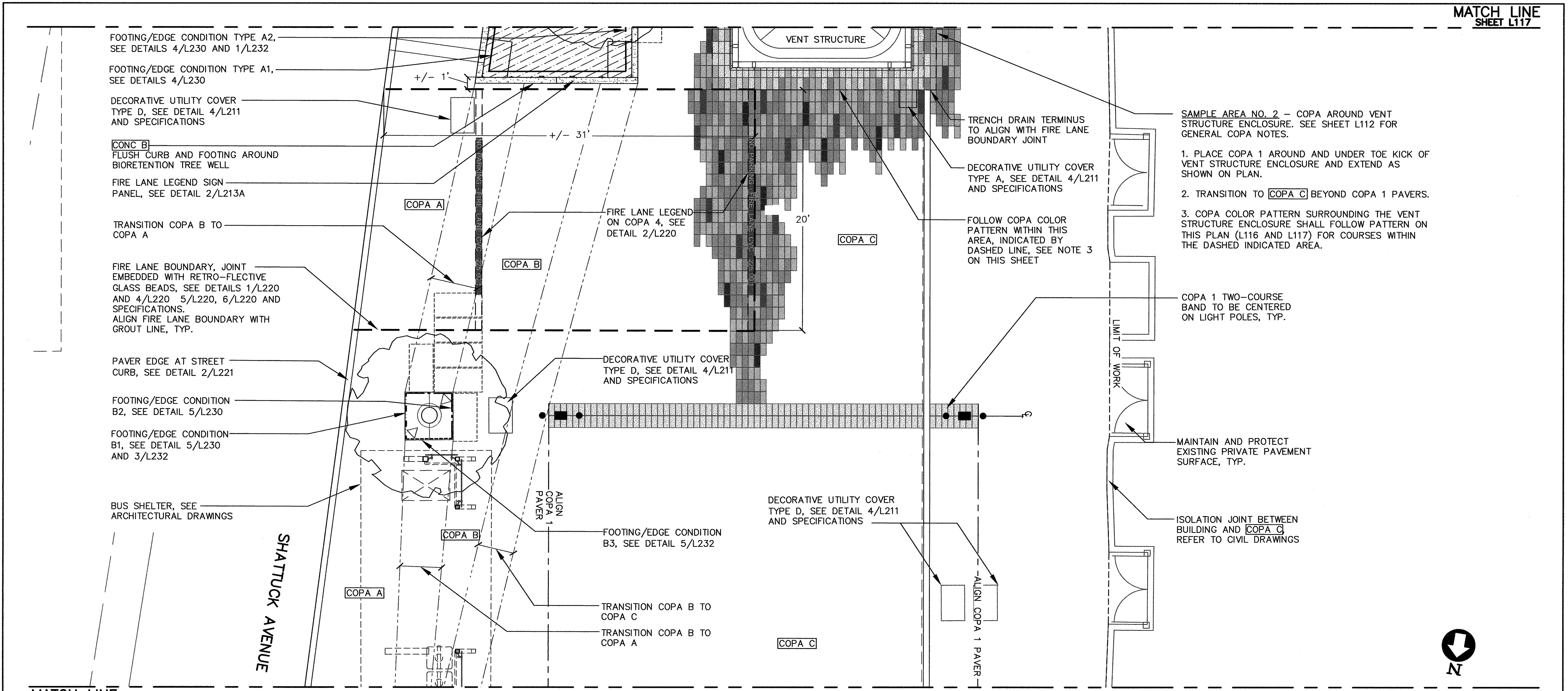
MATCH LINE
SHEET L117
FOOTING/EDGE CONDITION TYPE A2, SEE DETAILS 4/L230 AND 1/L232
FOOTING/EDGE CONDITION TYPE A1, SEE DETAILS 4/L230
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
CONC B FLUSH CURB AND FOOTING AROUND BIORETENTION TREE WELL
FIRE LANE LEGEND SIGN PANEL, SEE DETAIL 2/L213A
TRANSITION COPA B TO COPA A
FIRE LANE BOUNDARY, JOINT EMBEDDED WITH RETRO-FLECTIVE GLASS BEADS, SEE DETAILS 1/L220 AND 4/L220 5/L220, 6/L220 AND SPECIFICATIONS. ALIGN FIRE LANE BOUNDARY WITH GROUT LINE, TYP.
PAVER EDGE AT STREET CURB, SEE DETAIL 2/L221
FOOTING/EDGE CONDITION B2, SEE DETAIL 5/L230
FOOTING/EDGE CONDITION B1, SEE DETAIL 5/L230 AND 3/L232
BUS SHELTER, SEE ARCHITECTURAL DRAWINGS
SHATTUCK AVENUE
+/- 1'
+/- 31'
NO PARKING FIRE LANE CVC 22500
COPA A
COPA B
FIRE LANE LEGEND ON COPA 4, SEE DETAIL 2/L220
VENT STRUCTURE
20'
COPA C
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
ALIGN COPA 1 PAVER
FOOTING/EDGE CONDITION B3, SEE DETAIL 5/L232
TRANSITION COPA B TO COPA C
TRANSITION COPA B TO COPA A
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
ALIGN COPA 1 PAVER
TRENCH DRAIN TERMINUS TO ALIGN WITH FIRE LANE BOUNDARY JOINT
DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS
FOLLOW COPA COLOR PATTERN WITHIN THIS AREA, INDICATED BY DASHED LINE, SEE NOTE 3 ON THIS SHEET
COPA 1 TWO-COURSE BAND TO BE CENTERED ON LIGHT POLES, TYP.
LIMIT OF WORK
MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.
ISOLATION JOINT BETWEEN BUILDING AND COPA C, REFER TO CIVIL DRAWINGS
N
MATCH LINE
SEE SHEET L115

SAMPLE AREA NO. 2 – COPA AROUND VENT STRUCTURE ENCLOSURE. SEE SHEET L112 FOR GENERAL COPA NOTES.

1. PLACE COPA 1 AROUND AND UNDER TOE KICK OF VENT STRUCTURE ENCLOSURE AND EXTEND AS SHOWN ON PLAN.

2. TRANSITION TO COPA C BEYOND COPA 1 PAVERS.

3. COPA COLOR PATTERN SURROUNDING THE VENT STRUCTURE ENCLOSURE SHALL FOLLOW PATTERN ON THIS PLAN (L116 AND L117) FOR COURSES WITHIN THE DASHED INDICATED AREA.

PLAZA PLAN

SCALE: 1"=4'-0"

2' 0' 2' 4'
GRAPHIC SCALE

LEGEND

- ░ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS
- ░ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES

- ▨ COPA 1
- ▨ COPA 2
- ▨ COPA 3
- ▨ COPA 4
- ▨ COPA 5

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

- ⋮ APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM
- ○ NEW TREE (NTS)
- — — APPROXIMATE LIMIT OF BART STATION BOX BELOW
- ☰ TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 1/L211, 2/L211, AND 3/L211
- ▨ PLANTING/ BIORETENTION AREA
- ◎ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/210
- •-■-• EVENT LIGHT POLES, L4A AND L4B. SEE STRUCTURAL AND ELECTRICAL DRAWINGS
- △ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

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P	20151015				ISSUED FOR BID						

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DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
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SUBMITTED Philip A Erickson

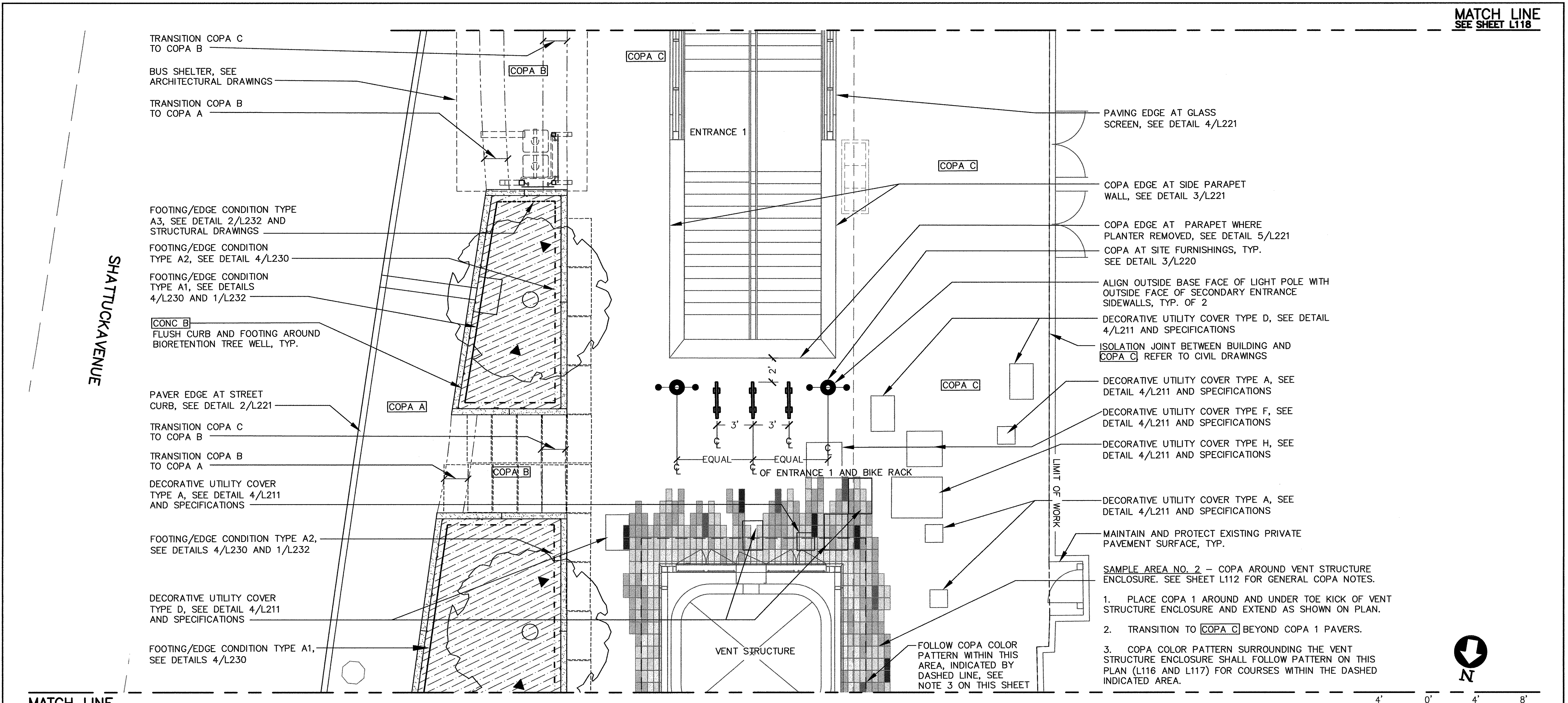
FMG ARCHITECTS
APPROVED

FMG ARCHITECTS
PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 5 OF 7

CADD FILENAME DB-L116-P.dwg
SIZE: D
SCALE 1" = 4'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L116
PAGE NO. 162

Katrina Majewski Dec 17, 2015 - 5:19pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L116-A-13km.dwg



TRANSITION COPA C TO COPA B

BUS SHELTER, SEE ARCHITECTURAL DRAWINGS

TRANSITION COPA B TO COPA A

FOOTING/EDGE CONDITION TYPE A3, SEE DETAIL 2/L232 AND STRUCTURAL DRAWINGS

FOOTING/EDGE CONDITION TYPE A2, SEE DETAIL 4/L230

FOOTING/EDGE CONDITION TYPE A1, SEE DETAILS 4/L230 AND 1/L232

CONC B FLUSH CURB AND FOOTING AROUND BIORETENTION TREE WELL, TYP.

PAVER EDGE AT STREET CURB, SEE DETAIL 2/L221

TRANSITION COPA C TO COPA B

TRANSITION COPA B TO COPA A

DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS

FOOTING/EDGE CONDITION TYPE A2, SEE DETAILS 4/L230 AND 1/L232

DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS

FOOTING/EDGE CONDITION TYPE A1, SEE DETAILS 4/L230

PAVING EDGE AT GLASS SCREEN, SEE DETAIL 4/L221

COPA EDGE AT SIDE PARAPET WALL, SEE DETAIL 3/L221

COPA EDGE AT PARAPET WHERE PLANTER REMOVED, SEE DETAIL 5/L221

COPA AT SITE FURNISHINGS, TYP. SEE DETAIL 3/L220

ALIGN OUTSIDE BASE FACE OF LIGHT POLE WITH OUTSIDE FACE OF SECONDARY ENTRANCE SIDEWALLS, TYP. OF 2

DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS

ISOLATION JOINT BETWEEN BUILDING AND COPA C REFER TO CIVIL DRAWINGS

DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS

DECORATIVE UTILITY COVER TYPE F, SEE DETAIL 4/L211 AND SPECIFICATIONS

DECORATIVE UTILITY COVER TYPE H, SEE DETAIL 4/L211 AND SPECIFICATIONS

DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS

MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.

FOLLOW COPA COLOR PATTERN WITHIN THIS AREA, INDICATED BY DASHED LINE, SEE NOTE 3 ON THIS SHEET

SAMPLE AREA NO. 2 – COPA AROUND VENT STRUCTURE ENCLOSURE. SEE SHEET L112 FOR GENERAL COPA NOTES.

1. PLACE COPA 1 AROUND AND UNDER TOE KICK OF VENT STRUCTURE ENCLOSURE AND EXTEND AS SHOWN ON PLAN.

2. TRANSITION TO COPA C BEYOND COPA 1 PAVERS.

3. COPA COLOR PATTERN SURROUNDING THE VENT STRUCTURE ENCLOSURE SHALL FOLLOW PATTERN ON THIS PLAN (L116 AND L117) FOR COURSES WITHIN THE DASHED INDICATED AREA.

PLAZA PLAN

SCALE: 1"=4'-0"

LEGEND

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS

▨ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES

▨ COPA 1

▨ COPA 2

▨ COPA 3

▨ COPA 4

■ COPA 5

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM

NEW TREE NTS

— — APPROXIMATE LIMIT OF BART STATION BOX BELOW

═ TRENCH DRAIN, SEE CIVIL DRAWINGS AND DETAILS 2/L211 AND 3/L211

▨ PLANTING/ BIORETENTION AREA

◎ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/210

BIKE RACKS, SEE DETAIL L/210

TRASH COMPACTOR SYSTEM, NIC

○ DOUBLE HEAD ACORN LIGHT, L14

● PEDESTRIAN LIGHT POLES, L4A AND L4B. SEE STRUCTURAL AND ELECTRICAL DRAWINGS

▲ RAISED TREE UPLIGHT L11, SEE 1/L212 AND ELECTRICAL DRAWINGS

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HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

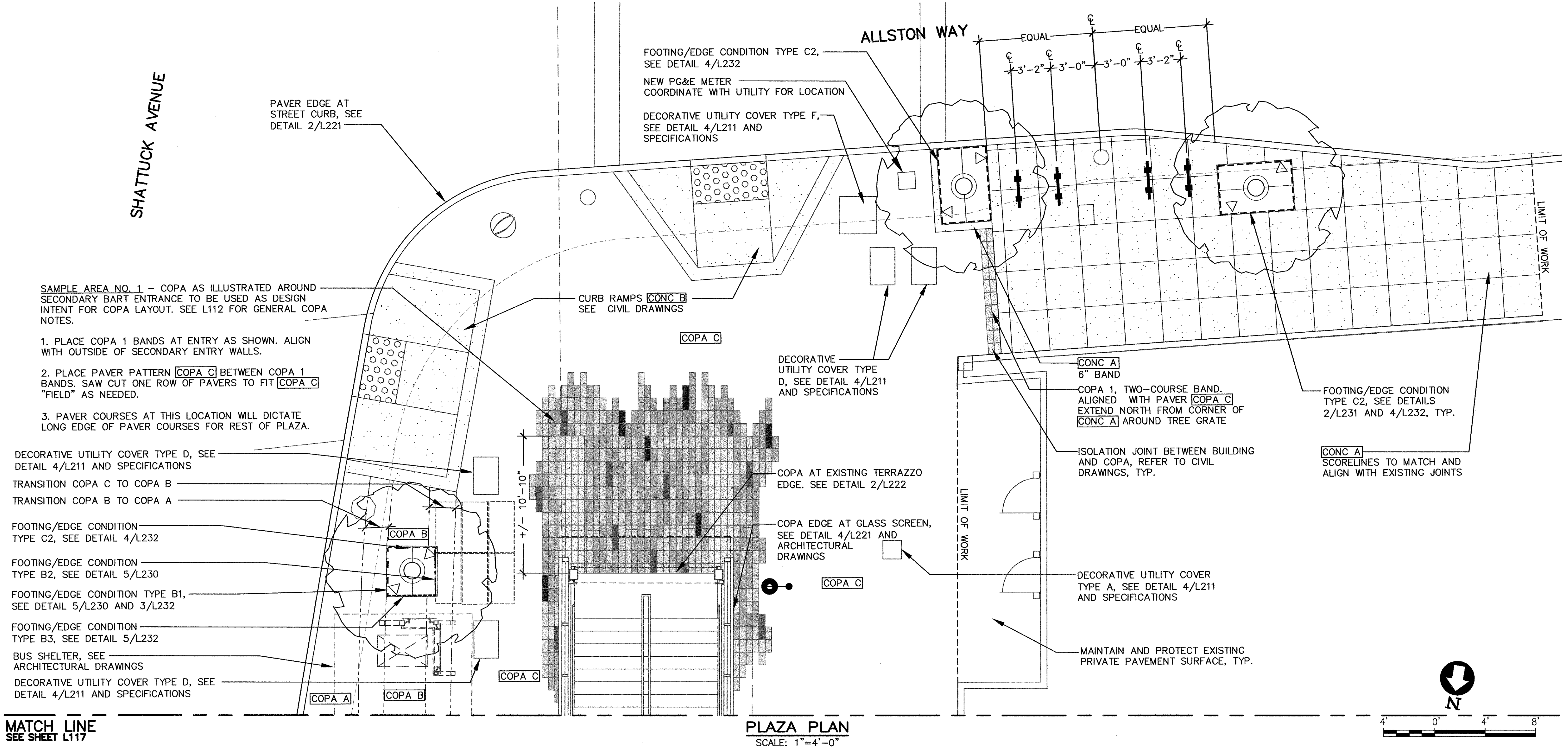
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENLARGED PLAZA LAYOUT AND HARDSCAPE PLAN
SHEET 6 OF 7

CADD FILENAME DB-L117-P.dwg
SIZE: D
SCALE 1" = 4'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L117
PAGE NO. 163


ALLSTON WAY
SHATTUCK AVENUE
EQUAL
EQUAL
℄
3'-2"
3'-0"
3'-0"
3'-2"
PAVER EDGE AT STREET CURB, SEE DETAIL 2/L221
FOOTING/EDGE CONDITION TYPE C2, SEE DETAIL 4/L232
NEW PG&E METER COORDINATE WITH UTILITY FOR LOCATION
DECORATIVE UTILITY COVER TYPE F, SEE DETAIL 4/L211 AND SPECIFICATIONS
SAMPLE AREA NO. 1 – COPA AS ILLUSTRATED AROUND SECONDARY BART ENTRANCE TO BE USED AS DESIGN INTENT FOR COPA LAYOUT. SEE L112 FOR GENERAL COPA NOTES.
1. PLACE COPA 1 BANDS AT ENTRY AS SHOWN. ALIGN WITH OUTSIDE OF SECONDARY ENTRY WALLS.
2. PLACE PAVER PATTERN COPA C BETWEEN COPA 1 BANDS. SAW CUT ONE ROW OF PAVERS TO FIT COPA C "FIELD" AS NEEDED.
3. PAVER COURSES AT THIS LOCATION WILL DICTATE LONG EDGE OF PAVER COURSES FOR REST OF PLAZA.
CURB RAMPS CONC B SEE CIVIL DRAWINGS
COPA C
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
CONC A 6" BAND
COPA 1, TWO-COURSE BAND. ALIGNED WITH PAVER COPA C EXTEND NORTH FROM CORNER OF CONC A AROUND TREE GRATE
FOOTING/EDGE CONDITION TYPE C2, SEE DETAILS 2/L231 AND 4/L232, TYP.
LIMIT OF WORK
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
TRANSITION COPA C TO COPA B
TRANSITION COPA B TO COPA A
+/- 10'-10"
ISOLATION JOINT BETWEEN BUILDING AND COPA, REFER TO CIVIL DRAWINGS, TYP.
CONC A SCORELINES TO MATCH AND ALIGN WITH EXISTING JOINTS
COPA AT EXISTING TERRAZZO EDGE. SEE DETAIL 2/L222
FOOTING/EDGE CONDITION TYPE C2, SEE DETAIL 4/L232
COPA B
COPA EDGE AT GLASS SCREEN, SEE DETAIL 4/L221 AND ARCHITECTURAL DRAWINGS
LIMIT OF WORK
FOOTING/EDGE CONDITION TYPE B2, SEE DETAIL 5/L230
FOOTING/EDGE CONDITION TYPE B1, SEE DETAIL 5/L230 AND 3/L232
COPA C
DECORATIVE UTILITY COVER TYPE A, SEE DETAIL 4/L211 AND SPECIFICATIONS
FOOTING/EDGE CONDITION TYPE B3, SEE DETAIL 5/L232
BUS SHELTER, SEE ARCHITECTURAL DRAWINGS
MAINTAIN AND PROTECT EXISTING PRIVATE PAVEMENT SURFACE, TYP.
DECORATIVE UTILITY COVER TYPE D, SEE DETAIL 4/L211 AND SPECIFICATIONS
COPA C
COPA A
COPA B
N
MATCH LINE
SEE SHEET L117
4'
0'
4'
8'
GRAPHIC SCALE

PLAZA PLAN

SCALE: 1"=4'-0"

LEGEND

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH CITY OF BERKELEY STANDARD, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS

▨ CONC B CAST-IN-PLACE CONCRETE WITH INTEGRAL COLOR WITH LIGHT SAND BLAST FINISH, SEE SPECIFICATIONS FOR FURTHER INFORMATION

COPA TYPES
- ▨ COPA 1
- ▨ COPA 2
- ▨ COPA 3
- ▨ COPA 4
- ■ COPA 5

SEE SHEET L223 AND SPECIFICATIONS FOR ADDITIONAL PAVER INFORMATION

COPA A TWO COLOR PAVER PATTERN ZONE, SEE DETAIL 1/L223

COPA B THREE COLOR PAVER PATTERN ZONE, SEE DETAIL 2/L223

COPA C FOUR COLOR PAVER PATTERN ZONE, SEE DETAIL 3/L223

APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM

NEW TREE

NTS

— — APPROXIMATE LIMIT OF BART STATION BOX BELOW

◎ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/210

BIKE RACKS, SEE DETAIL L/210

⊘ POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS

○ RELOCATED STREET LIGHT, L13

○ SIGNAL POLE

● PEDESTRIAN LIGHT POLE, L4A, SEE STRUCTURAL AND ELECTRICAL DRAWINGS

△ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

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PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17

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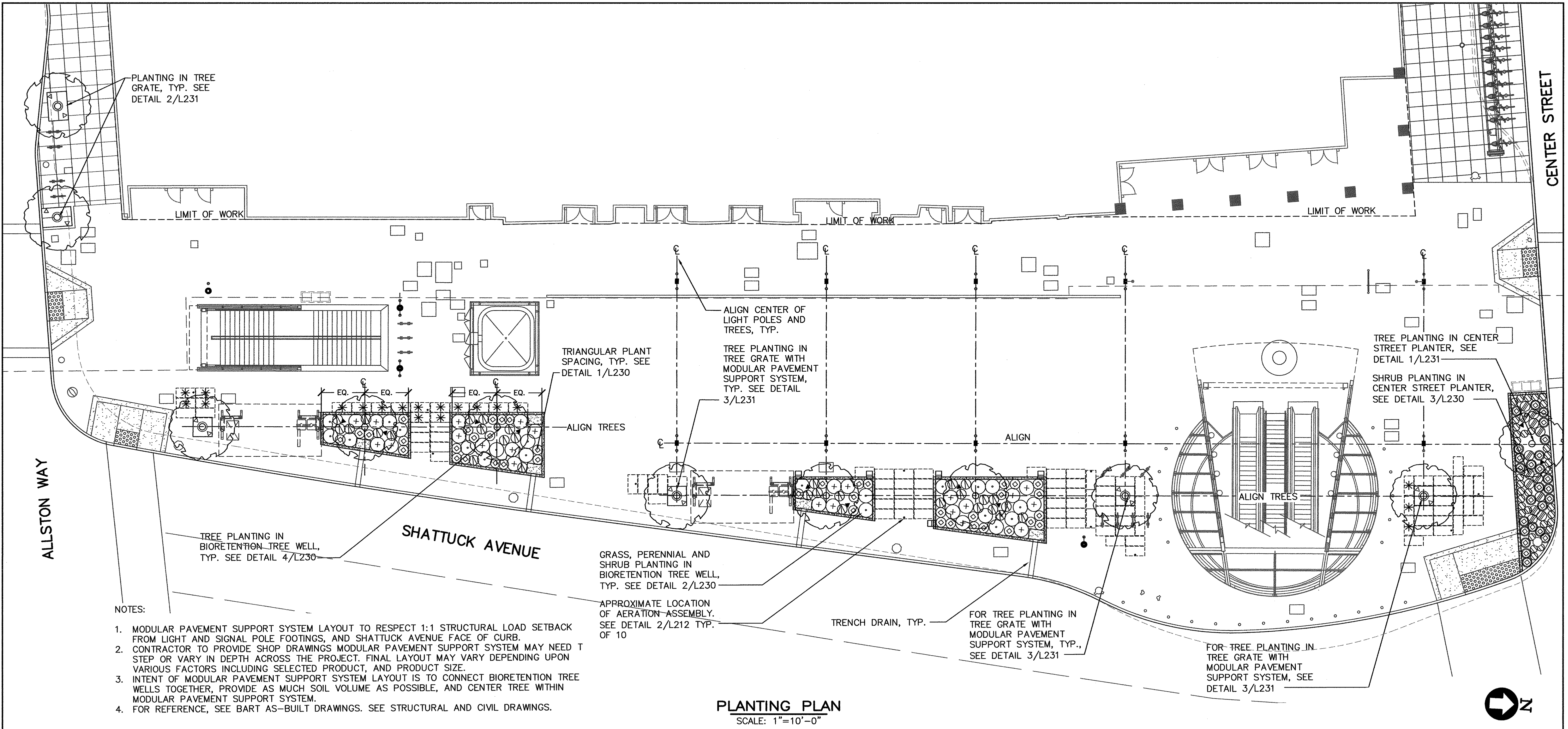
BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

PLAZA HARDSCAPE PLAN
SHEET 7 OF 7

CADD FILENAME DB-L118-P.dwg
SIZE: D
SCALE 1" = 4'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L118
PAGE NO. 164


PLANTING IN TREE GRATE, TYP. SEE DETAIL 2/L231
LIMIT OF WORK
LIMIT OF WORK
LIMIT OF WORK
CENTER STREET
ALLSTON WAY
SHATTUCK AVENUE
ALIGN CENTER OF LIGHT POLES AND TREES, TYP.
TRIANGULAR PLANT SPACING, TYP. SEE DETAIL 1/L230
TREE PLANTING IN TREE GRATE WITH MODULAR PAVEMENT SUPPORT SYSTEM, TYP. SEE DETAIL 3/L231
EQ.
EQ.
EQ.
EQ.
ALIGN TREES
ALIGN
ALIGN TREES
TREE PLANTING IN CENTER STREET PLANTER, SEE DETAIL 1/L231
SHRUB PLANTING IN CENTER STREET PLANTER, SEE DETAIL 3/L230
TREE PLANTING IN BIORETENTION TREE WELL, TYP. SEE DETAIL 4/L230
GRASS, PERENNIAL AND SHRUB PLANTING IN BIORETENTION TREE WELL, TYP. SEE DETAIL 2/L230
APPROXIMATE LOCATION OF AERATION ASSEMBLY. SEE DETAIL 2/L212 TYP. OF 10
TRENCH DRAIN, TYP.
FOR TREE PLANTING IN TREE GRATE WITH MODULAR PAVEMENT SUPPORT SYSTEM, TYP., SEE DETAIL 3/L231
FOR TREE PLANTING IN TREE GRATE WITH MODULAR PAVEMENT SUPPORT SYSTEM, SEE DETAIL 3/L231
N

NOTES:

1. MODULAR PAVEMENT SUPPORT SYSTEM LAYOUT TO RESPECT 1:1 STRUCTURAL LOAD SETBACK FROM LIGHT AND SIGNAL POLE FOOTINGS, AND SHATTUCK AVENUE FACE OF CURB.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS MODULAR PAVEMENT SUPPORT SYSTEM MAY NEED T STEP OR VARY IN DEPTH ACROSS THE PROJECT. FINAL LAYOUT MAY VARY DEPENDING UPON VARIOUS FACTORS INCLUDING SELECTED PRODUCT, AND PRODUCT SIZE.
3. INTENT OF MODULAR PAVEMENT SUPPORT SYSTEM LAYOUT IS TO CONNECT BIORETENTION TREE WELLS TOGETHER, PROVIDE AS MUCH SOIL VOLUME AS POSSIBLE, AND CENTER TREE WITHIN MODULAR PAVEMENT SUPPORT SYSTEM.
4. FOR REFERENCE, SEE BART AS-BUILT DRAWINGS. SEE STRUCTURAL AND CIVIL DRAWINGS.

PLANTING PLAN

SCALE: 1"=10'-0"

10' 0' 10' 20'
GRAPHIC SCALE

LEGEND

FIELD VERIFY ALL AREAS. CONDITIONS MAY BE DIFFERENT OR OCCUR ELSEWHERE.

┆┆ APPROXIMATE EXTENT OF MODULAR PAVEMENT SUPPORT SYSTEM (MPSS) SEE SPECIFICATIONS AND CIVIL DRAWINGS

✳ APPROXIMATE AND PRELIMINARY ILLUSTRATION OF PLACEMENT OF MPSS OVER EXISTING UTILITIES OR SHALLOW BART BOX, REFER TO BART AS-BUILT REFERENCE DRAWINGS. SEE CIVIL DRAWINGS FOR ELEVATIONS. FIELD VERIFY ALL AREAS AS THESE CONDITIONS MAY VARY AND OCCUR ELSEWHERE.

⊠ ⊠ TREE GRATE AND TREE GUARD, SEE DETAILS 2/L210, 3/L210, 5/L210

▨ EROSION CONTROL- ANGULAR CRUSHED ROCK, SEE SPECIFICATIONS

▲ RAISED TREE UPLIGHT, L11, SEE 1/L212 AND ELECTRICAL DRAWINGS

△ TREE GRATE UPLIGHT, L12, SEE ELECTRICAL DRAWINGS

· AERATION ASSEMBLY, SEE DETAIL 2/L212

PLANTING SCHEDULE

SYMBOL	QTY.		BOTANICAL NAME	COMMON NAME	SIZE
PERENNIALS	29	⊘	Carex divulsa	Berkeley Sedge	1 gal.
	25	◈	Festuca california	California Fescue	1 gal.
	33	⊘	Iris douglasiana 'Canyon Snow'	Canyon Snow Douglas Iris	5 gal.
	40	◇	Juncus patens	California Rush	1 gal.
SHRUBS	23	⊕	Chondropetalum x 'El Campo'	El Campo Cape Rush	5 gal.
	20	⊙	Dietes iridioides	Fortnight Lily	5 gal.
	13	⊘	Phormium 'Tom Thumb'	'Tom Thumb' New Zealand Flax	5 gal.
TREE	11	⊙ NTS	Acer rubrum 'Armstrong'	Armstrong Maple	36" box

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APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
cd+a COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
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BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

PLAZA PLANTING PLAN

CADD FILENAME DB-L119-P.dwg
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CONTRACT SHEET NO. L119
PAGE NO. 165

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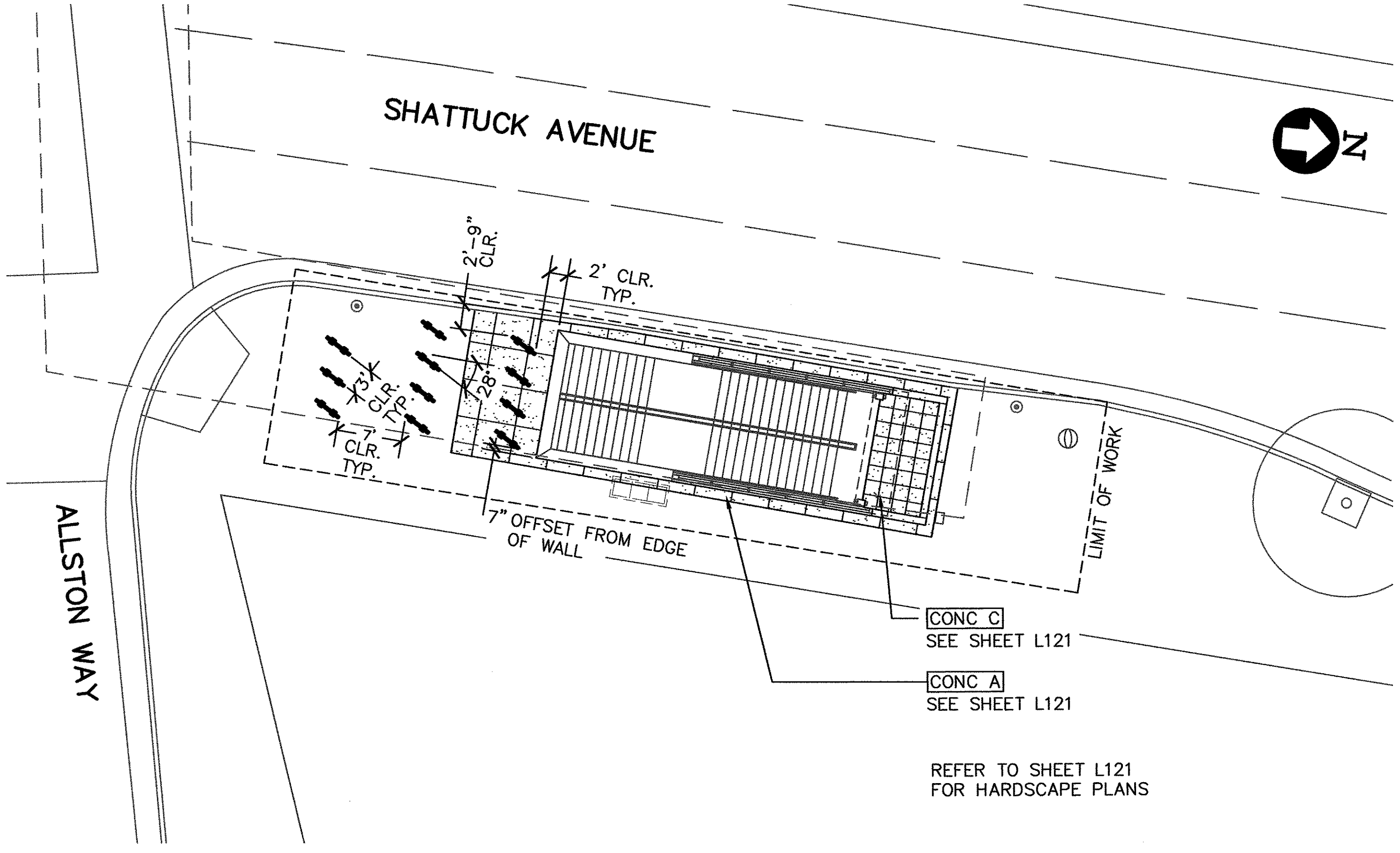
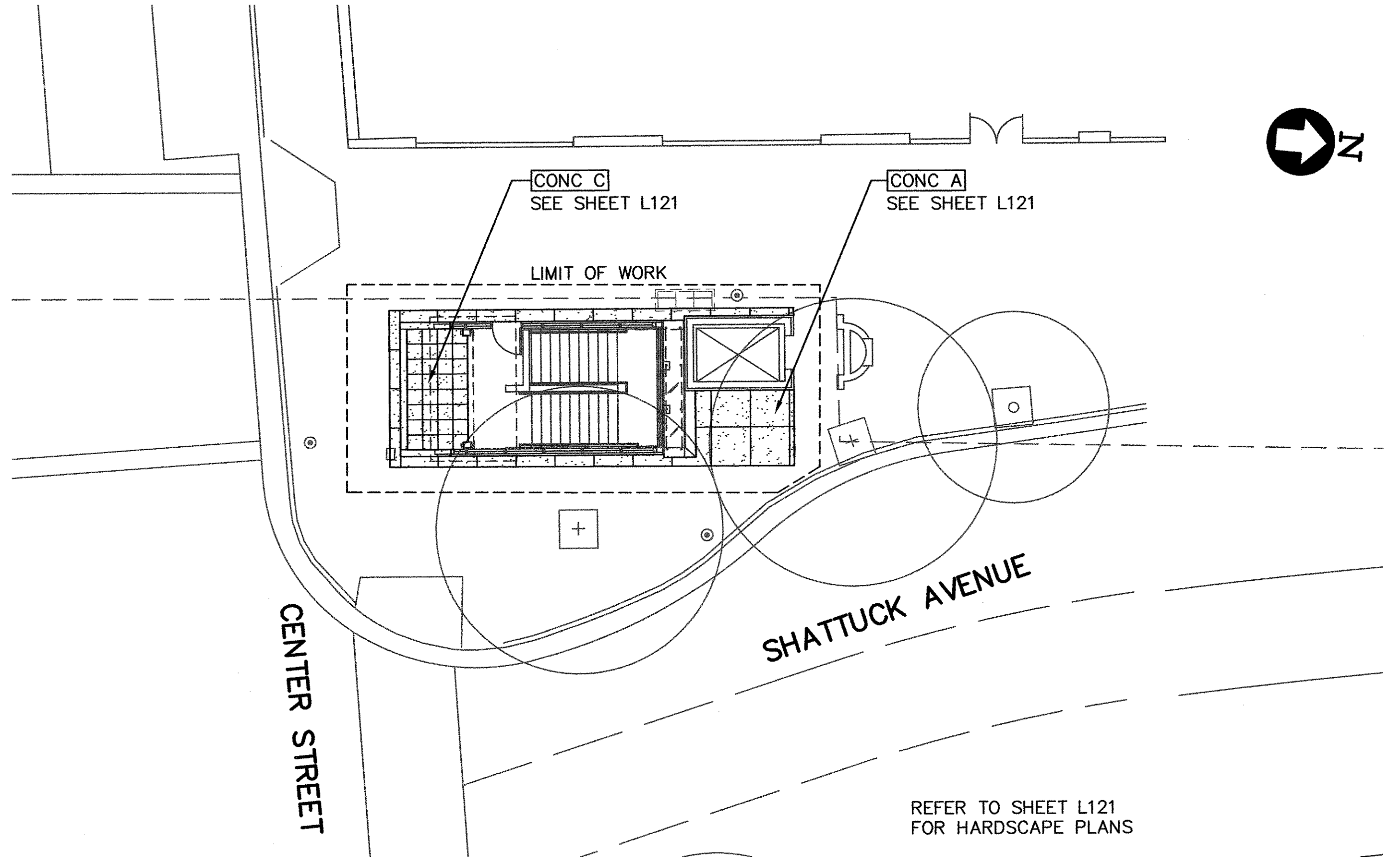


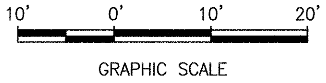
REFER TO SHEET L121
FOR HARDSCAPE PLANS

ENTRANCE AREA 2



REFER TO SHEET L121
FOR HARDSCAPE PLANS

ENTRANCE AREA 4



GRAPHIC SCALE

SECONDARY BART ENTRANCE AREA LAYOUT PLANS

SCALE: 1"=10'-0"

LEGEND

○ NTS	EXISTING TREES
▭ □ ◦	EXISTING SITE FURNITURE
●	BIKE RACKS, SEE DETAIL 1/L210
[III]	TRASH COMPACTOR SYSTEM, NIC
○	EXISTING STREET LIGHT AND OTHER SIGNAL POLES
⊙	EXISTING PEDESTRIAN LIGHT
◍	POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS
□	STATION PYLON SIGN, SEE ARCHITECTURAL DRAWINGS
— —	APPROXIMATE LIMITS OF BART STATION BOX BELOW
▨	CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS.
▦	CONC C CAST-IN-PLACE CONCRETE SIDEWALK, WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH. SCORE LINES TO HAVE 1/8" RADIUS AT EDGES AND TO BE PLACED 19" APPROXIMATE ON CENTER WITH SURROUNDING 9 1/2" APPROXIMATE BAND, AS SHOWN ON PLANS.

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APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

ENTRANCE AREAS 2 AND 4
LAYOUT PLAN

CADD FILENAME DB-L120-P.dwg
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REV. P
CONTRACT SHEET NO. L120
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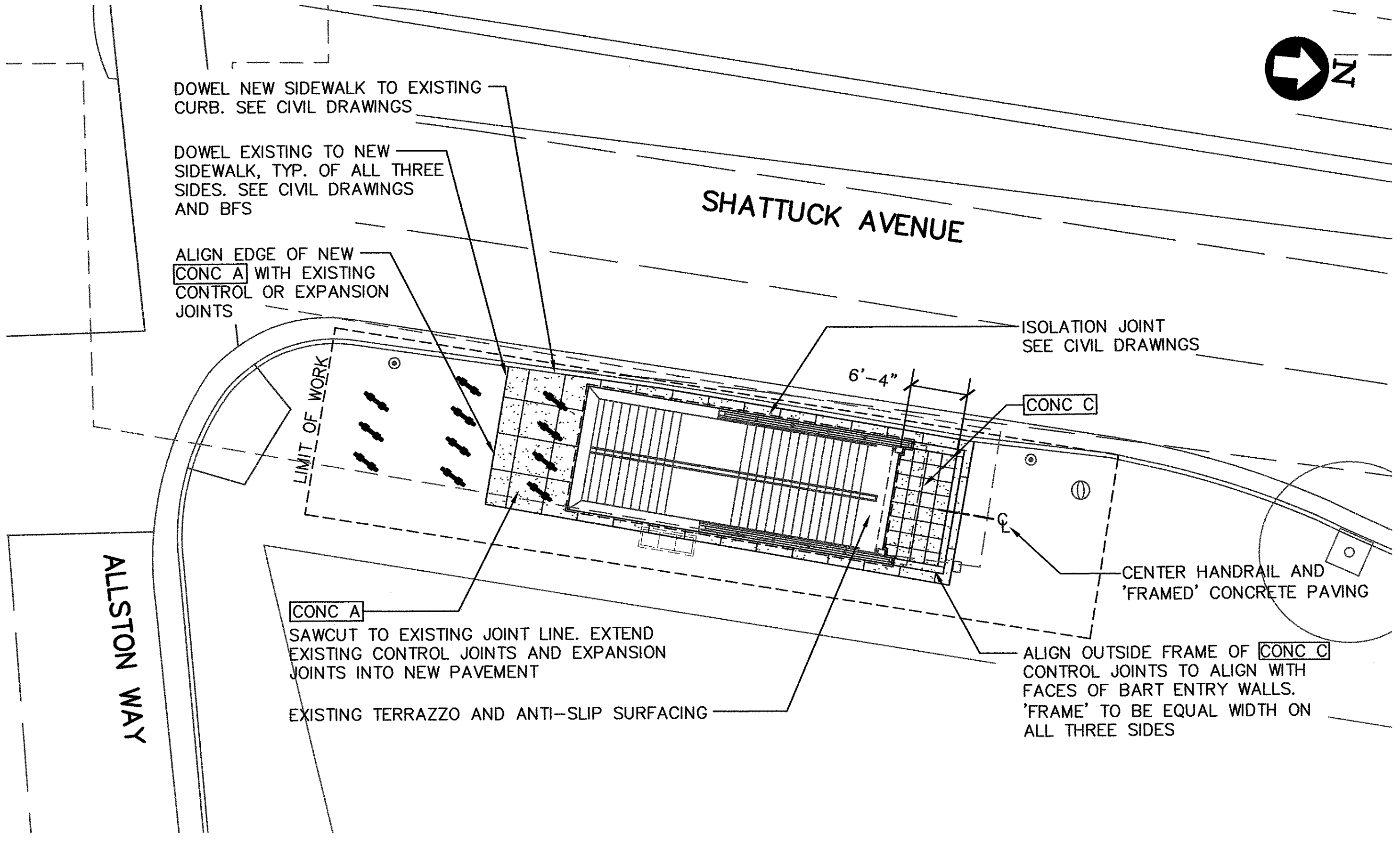
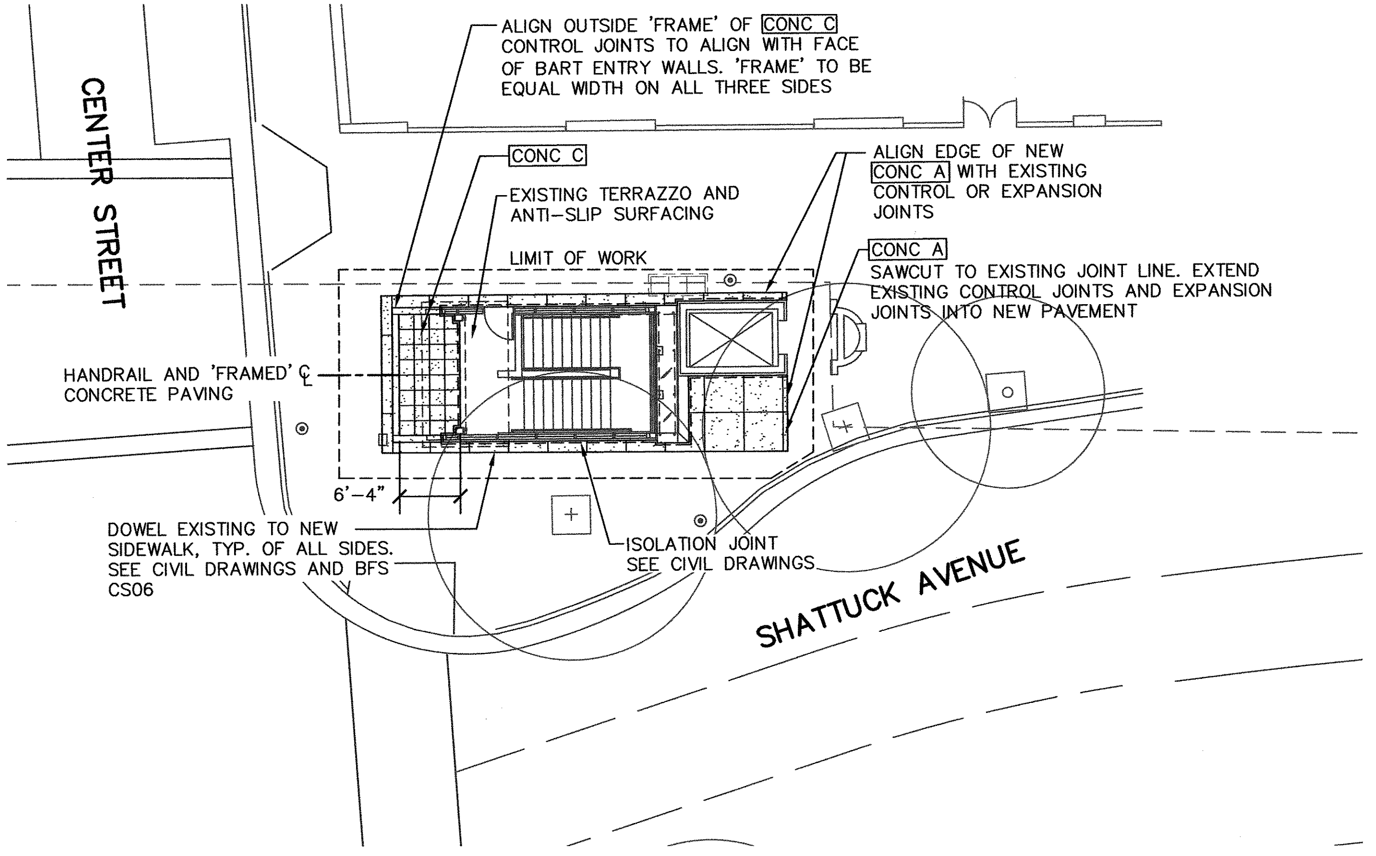
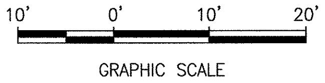

N
SHATTUCK AVENUE
ALLSTON WAY
DOWEL NEW SIDEWALK TO EXISTING CURB. SEE CIVIL DRAWINGS
DOWEL EXISTING TO NEW SIDEWALK, TYP. OF ALL THREE SIDES. SEE CIVIL DRAWINGS AND BFS
ALIGN EDGE OF NEW CONC A WITH EXISTING CONTROL OR EXPANSION JOINTS
LIMIT OF WORK
ISOLATION JOINT SEE CIVIL DRAWINGS
6'–4"
CONC C
CONC A SAWCUT TO EXISTING JOINT LINE. EXTEND EXISTING CONTROL JOINTS AND EXPANSION JOINTS INTO NEW PAVEMENT
CENTER HANDRAIL AND 'FRAMED' CONCRETE PAVING
ALIGN OUTSIDE FRAME OF CONC C CONTROL JOINTS TO ALIGN WITH FACES OF BART ENTRY WALLS. 'FRAME' TO BE EQUAL WIDTH ON ALL THREE SIDES
EXISTING TERRAZZO AND ANTI–SLIP SURFACING

ENTRANCE AREA 2


N
CENTER STREET
SHATTUCK AVENUE
ALIGN OUTSIDE 'FRAME' OF CONC C CONTROL JOINTS TO ALIGN WITH FACE OF BART ENTRY WALLS. 'FRAME' TO BE EQUAL WIDTH ON ALL THREE SIDES
CONC C
EXISTING TERRAZZO AND ANTI–SLIP SURFACING
LIMIT OF WORK
ALIGN EDGE OF NEW CONC A WITH EXISTING CONTROL OR EXPANSION JOINTS
CONC A SAWCUT TO EXISTING JOINT LINE. EXTEND EXISTING CONTROL JOINTS AND EXPANSION JOINTS INTO NEW PAVEMENT
HANDRAIL AND 'FRAMED' CONCRETE PAVING
6'–4"
DOWEL EXISTING TO NEW SIDEWALK, TYP. OF ALL SIDES. SEE CIVIL DRAWINGS AND BFS CS06
ISOLATION JOINT SEE CIVIL DRAWINGS

ENTRANCE AREA 4



SECONDARY BART ENTRANCE AREA HARDSCAPE PLANS

SCALE: 1"=10'–0"

LEGEND

○ (NTS)	EXISTING TREES
▭ □ ◦	EXISTING SITE FURNITURE
▮	BIKE RACKS, SEE DETAIL 1/L210
▭	TRASH COMPACTOR SYSTEM, NIC
○	EXISTING STREET LIGHT AND OTHER SIGNAL POLES
◉	EXISTING PEDESTRIAN LIGHT
◍	POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS
□	STATION PYLON SIGN, SEE ARCHITECTURAL DRAWINGS
— —	APPROXIMATE LIMITS OF BART STATION BOX BELOW
▨	CONC A CAST–IN–PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS.
▦	CONC C CAST–IN–PLACE CONCRETE SIDEWALK, WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH. SCORE LINES TO HAVE 1/8" RADIUS AT EDGES AND TO BE PLACED 19" APPROXIMATE ON CENTER WITH SURROUNDING 9 1/2" APPROXIMATE BAND, AS SHOWN ON PLANS.

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BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE AREAS 2 AND 4– HARDSCAPE PLAN

CADD FILENAME: DB–L121–P.dwg
SIZE: D
SCALE: 1" = 10'–0"
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CONTRACT SHEET NO.: L121
PAGE NO.: 167

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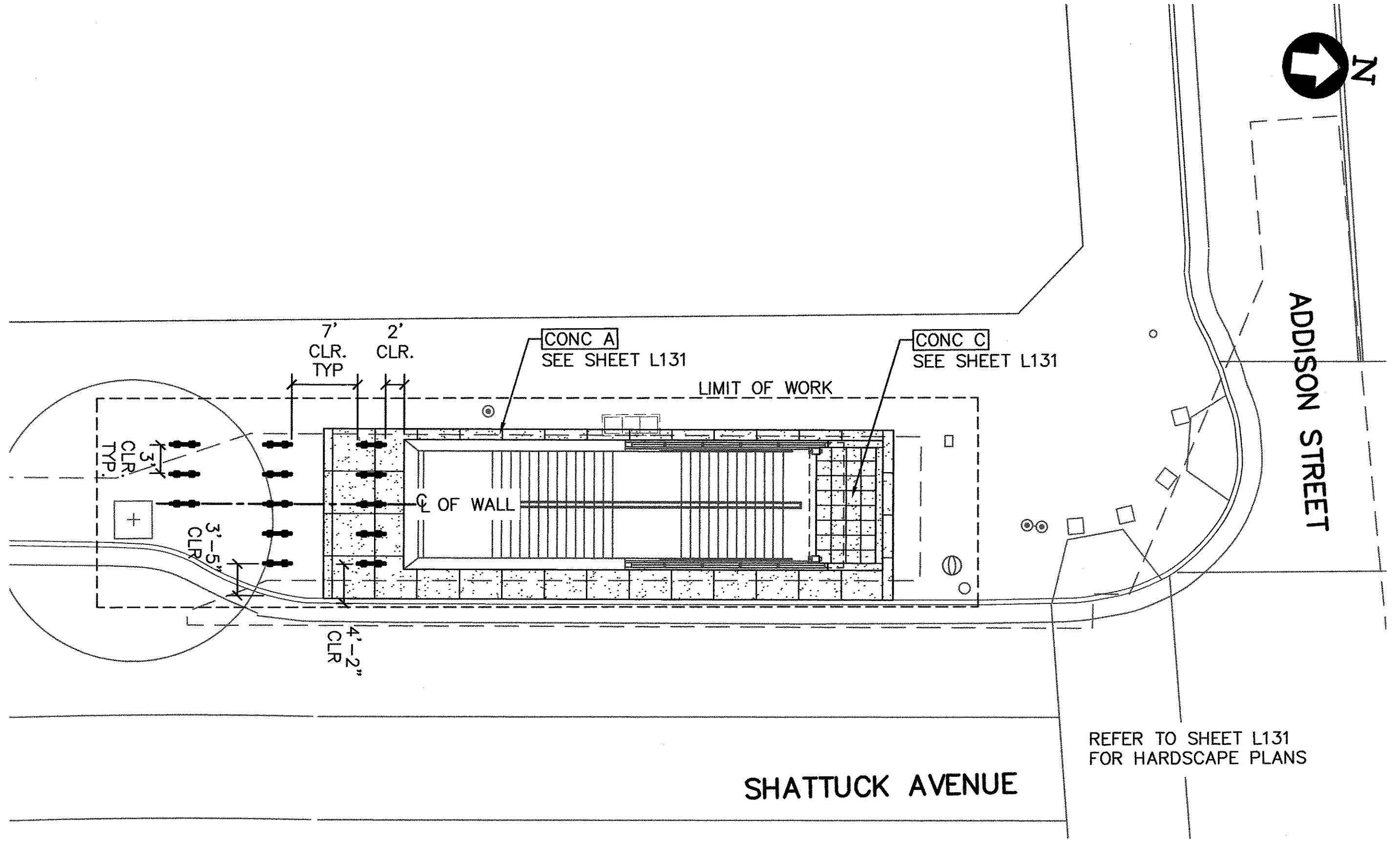
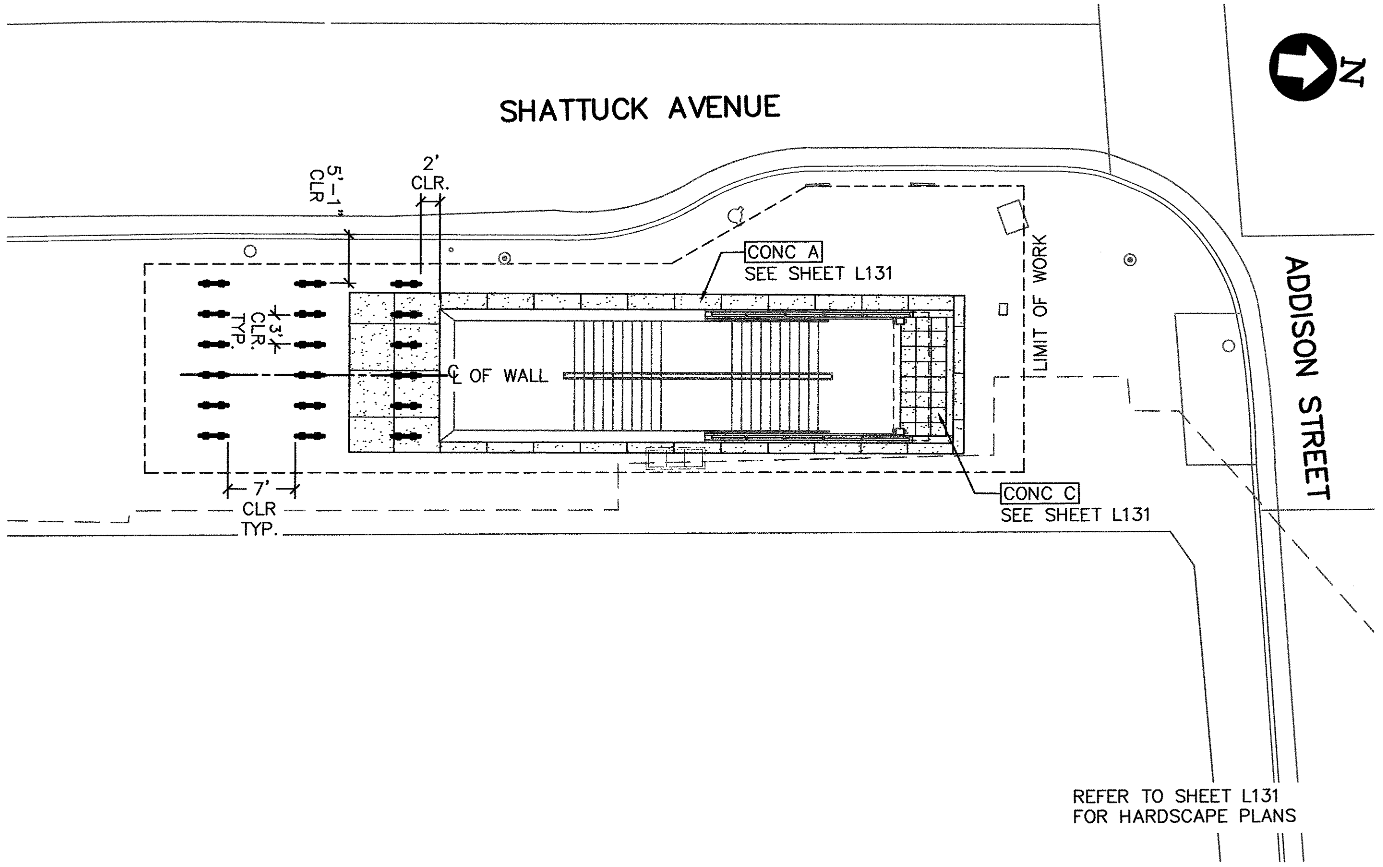
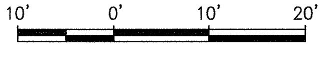


ENTRANCE AREA 5



ENTRANCE AREA 6



GRAPHIC SCALE

SECONDARY BART ENTRANCE AREA LAYOUT PLANS

SCALE: 1"=10'-0"

LEGEND

- EXISTING TREES (NTS)
- ◻ ☐ ◦ EXISTING SITE FURNITURE
- ❙ BIKE RACKS, SEE DETAIL 1/L210
- ▭ TRASH COMPACTOR SYSTEM, NIC
- ○ EXISTING STREET LIGHT AND OTHER SIGNAL POLES
- ⊙ EXISTING PEDESTRIAN LIGHT
- ◍ POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS
- ▭ STATION PYLON SIGN, SEE ARCHITECTURAL DRAWINGS
- — — APPROXIMATE LIMITS OF BART STATION BOX BELOW
- ▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS.
- ▦ CONC C CAST-IN-PLACE CONCRETE SIDEWALK, WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH. SCORE LINES TO HAVE 1/8" RADIUS AT EDGES AND TO BE PLACED 19" APPROXIMATE ON CENTER WITH SURROUNDING 9 1/2" APPROXIMATE BAND, AS SHOWN ON PLANS.

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

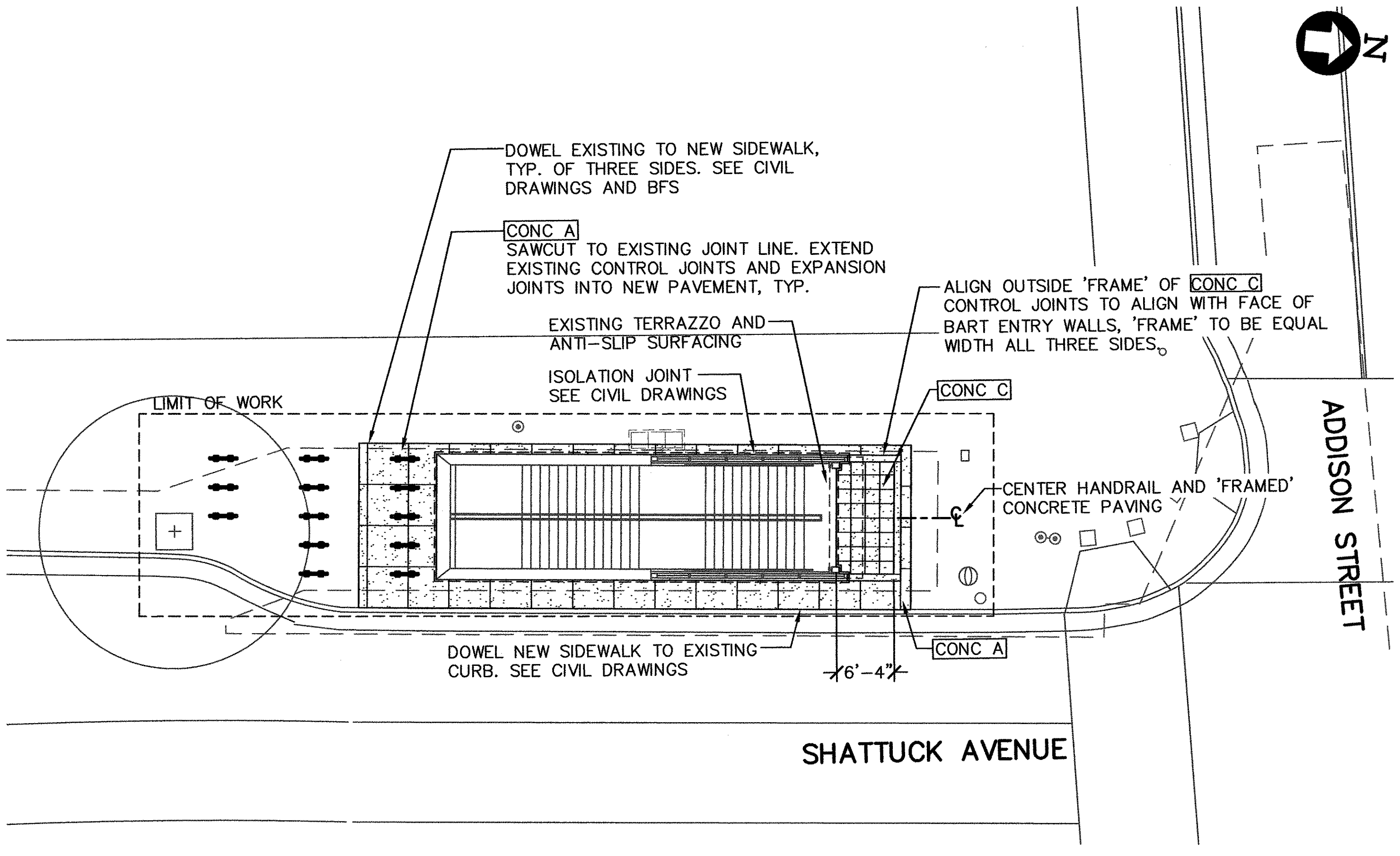
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

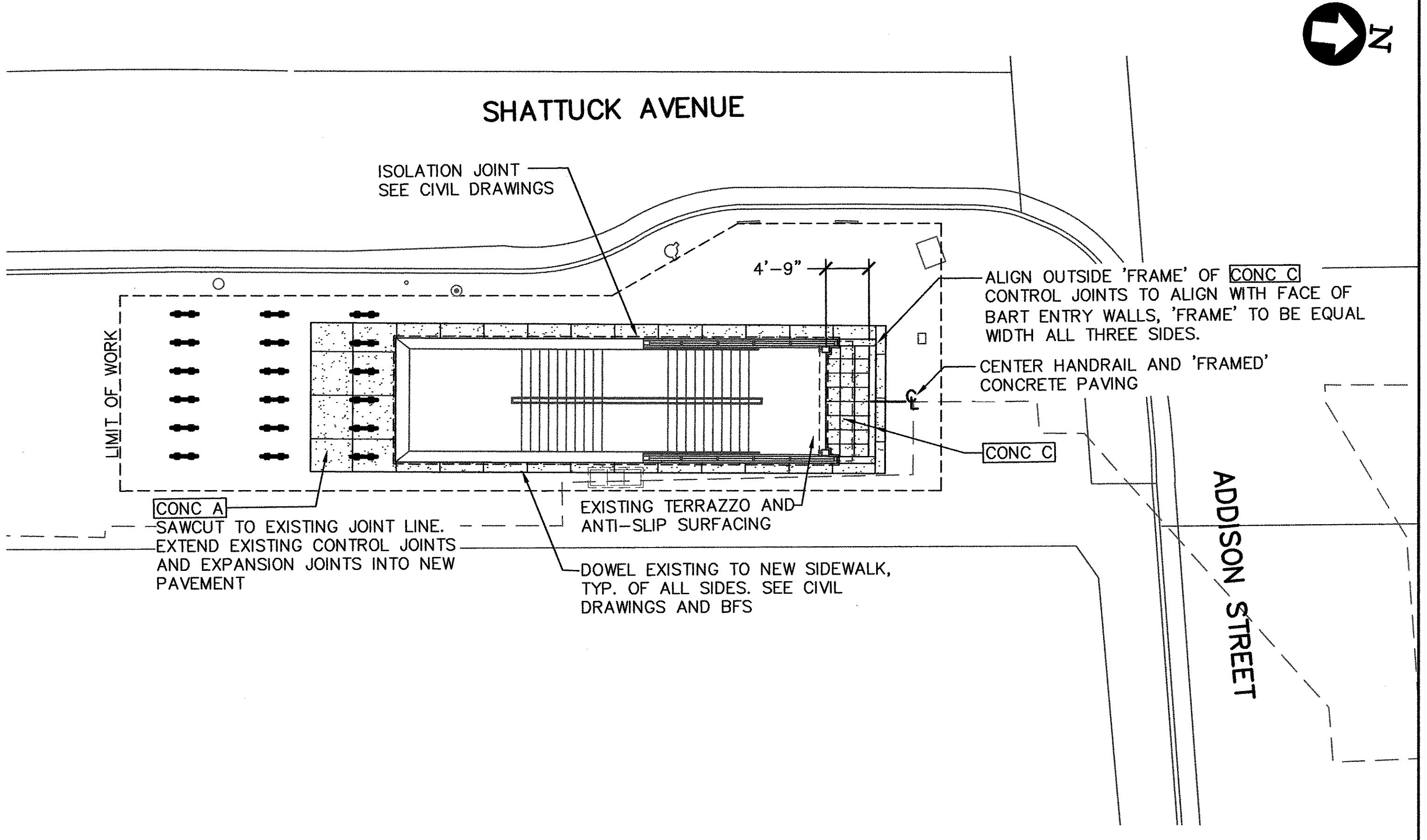
ENTRANCE AREAS 5 AND 6– LAYOUT PLAN

CADD FILENAME DB–L130–P.dwg
SIZE: D
SCALE 1"–10'–0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L130
PAGE NO. 168

Katrina Majewski Dec 17, 2015 - 5:47pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L130-A-14ac.dwg


N
DOWEL EXISTING TO NEW SIDEWALK, TYP. OF THREE SIDES. SEE CIVIL DRAWINGS AND BFS
CONC A
SAWCUT TO EXISTING JOINT LINE. EXTEND EXISTING CONTROL JOINTS AND EXPANSION JOINTS INTO NEW PAVEMENT, TYP.
EXISTING TERRAZZO AND ANTI-SLIP SURFACING
ISOLATION JOINT SEE CIVIL DRAWINGS
ALIGN OUTSIDE 'FRAME' OF CONC C CONTROL JOINTS TO ALIGN WITH FACE OF BART ENTRY WALLS, 'FRAME' TO BE EQUAL WIDTH ALL THREE SIDES.
CONC C
LIMIT OF WORK
CENTER HANDRAIL AND 'FRAMED' CONCRETE PAVING
ADDISON STREET
DOWEL NEW SIDEWALK TO EXISTING CURB. SEE CIVIL DRAWINGS
6'-4"
CONC A
SHATTUCK AVENUE

ENTRANCE AREA 5


N
SHATTUCK AVENUE
ISOLATION JOINT SEE CIVIL DRAWINGS
4'-9"
ALIGN OUTSIDE 'FRAME' OF CONC C CONTROL JOINTS TO ALIGN WITH FACE OF BART ENTRY WALLS, 'FRAME' TO BE EQUAL WIDTH ALL THREE SIDES.
CENTER HANDRAIL AND 'FRAMED' CONCRETE PAVING
LIMIT OF WORK
CONC C
CONC A
SAWCUT TO EXISTING JOINT LINE. EXTEND EXISTING CONTROL JOINTS AND EXPANSION JOINTS INTO NEW PAVEMENT
EXISTING TERRAZZO AND ANTI-SLIP SURFACING
DOWEL EXISTING TO NEW SIDEWALK, TYP. OF ALL SIDES. SEE CIVIL DRAWINGS AND BFS
ADDISON STREET

ENTRANCE AREA 6

10' 0' 10' 20'
GRAPHIC SCALE

ENTRANCE AREA HARDSCAPE PLANS

SCALE: 1"=10'-0"

LEGEND

⊡ EXISTING TREES
NTS

□ ◦ EXISTING SITE FURNITURE

BIKE RACKS, SEE DETAIL 1/L210

TRASH COMPACTOR SYSTEM, NIC

○ EXISTING STREET LIGHT AND OTHER SIGNAL POLES

⊙ EXISTING PEDESTRIAN LIGHT

◍ POST AND PYLON WAYFINDING UNIT, SEE ARCHITECTURAL DRAWINGS

□ STATION PYLON SIGN, SEE ARCHITECTURAL DRAWINGS

— — APPROXIMATE LIMITS OF BART STATION BOX BELOW

▨ CONC A CAST-IN-PLACE CONCRETE SIDEWALK WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH, SEE SPECIFICATIONS. JOINTING AS PER DRAWINGS AND SPECIFICATIONS.

▦ CONC C CAST-IN-PLACE CONCRETE SIDEWALK, WITH INTEGRAL COLOR AND TROWELED FINISH TO MATCH EXISTING CITY OF BERKELEY SIDEWALK FINISH. SCORE LINES TO HAVE 1/8" RADIUS AT EDGES AND TO BE PLACED 19" APPROXIMATE ON CENTER WITH SURROUNDING 9 1/2" APPROXIMATE BAND, AS SHOWN ON PLANS.

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P	20151015				ISSUED FOR BID						

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DATE: 20151015

PHILIP A. ERICKSON
No. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
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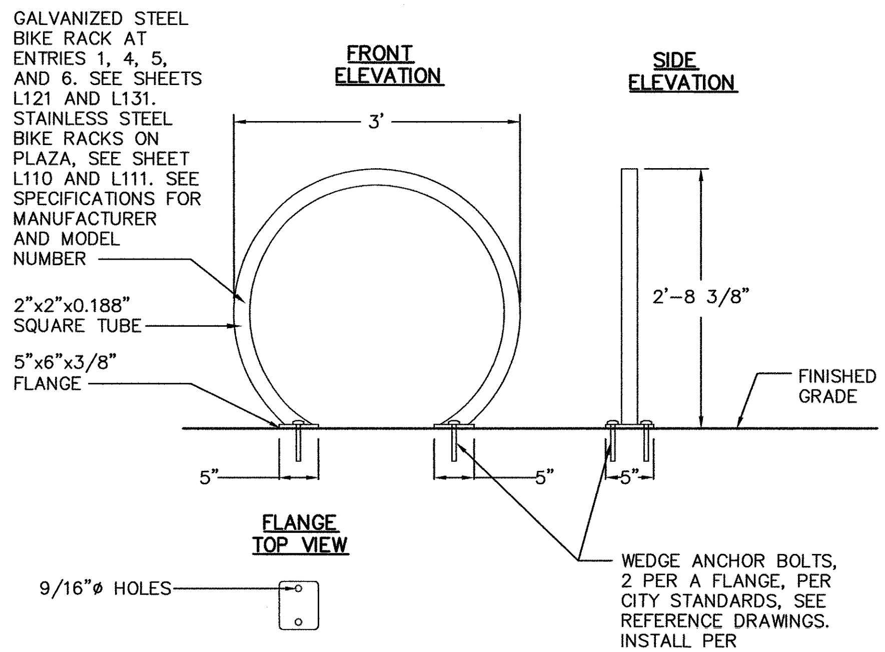
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A Erickson

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

ENTRANCE AREAS 5 AND 6- HARDSCAPE PLAN

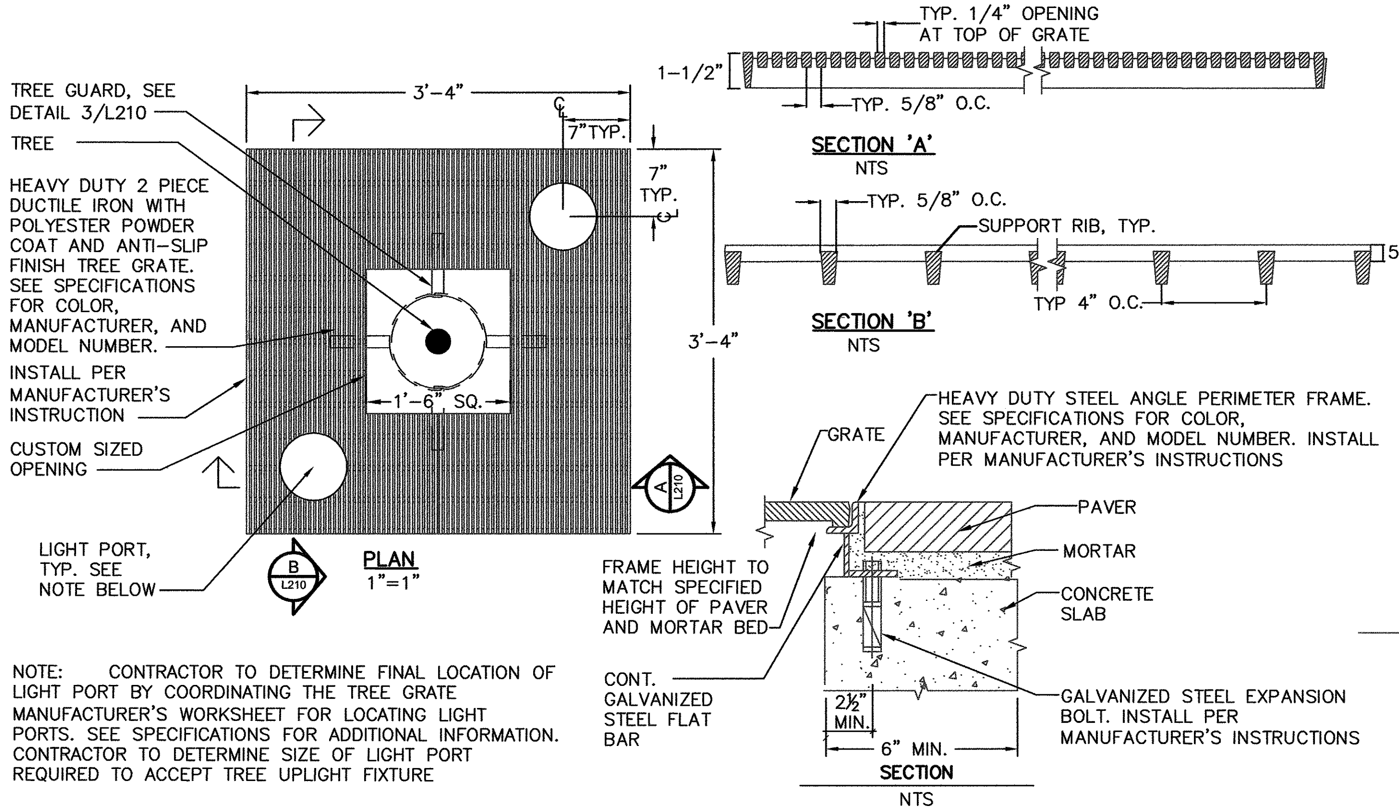
CADD FILENAME DB-L131-P.dwg
SIZE: D
SCALE 1" = 10'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L131
PAGE NO. 169


GALVANIZED STEEL BIKE RACK AT ENTRIES 1, 4, 5, AND 6. SEE SHEETS L121 AND L131. STAINLESS STEEL BIKE RACKS ON PLAZA, SEE SHEET L110 AND L111. SEE SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER
FRONT ELEVATION
SIDE ELEVATION
3'
2'-8 3/8"
2"x2"x0.188" SQUARE TUBE
5"x6"x3/8" FLANGE
FINISHED GRADE
5"
5"
5"
FLANGE TOP VIEW
9/16"ø HOLES
WEDGE ANCHOR BOLTS, 2 PER A FLANGE, PER CITY STANDARDS, SEE REFERENCE DRAWINGS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

BICYCLE RACK

SCALE: 1" = 1'-0"

1
L210

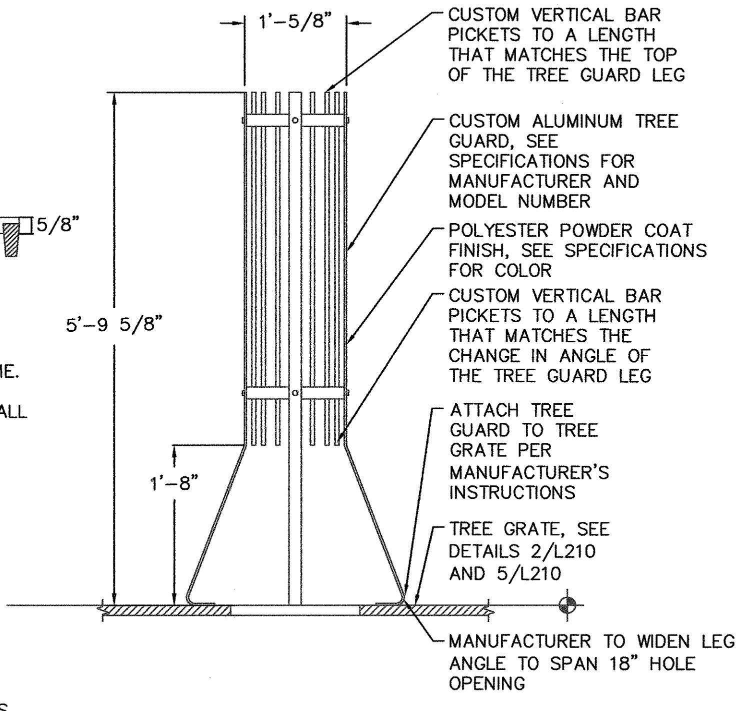

TREE GUARD, SEE DETAIL 3/L210
TREE
HEAVY DUTY 2 PIECE DUCTILE IRON WITH POLYESTER POWDER COAT AND ANTI-SLIP FINISH TREE GRATE. SEE SPECIFICATIONS FOR COLOR, MANUFACTURER, AND MODEL NUMBER.
INSTALL PER MANUFACTURER'S INSTRUCTION
CUSTOM SIZED OPENING
LIGHT PORT, TYP. SEE NOTE BELOW
3'-4"
7"TYP.
7" TYP.
3'-4"
1'-6" SQ.
A L210
B L210
PLAN
1"=1"
TYP. 1/4" OPENING AT TOP OF GRATE
1-1/2"
TYP. 5/8" O.C.
SECTION 'A'
NTS
TYP. 5/8" O.C.
SUPPORT RIB, TYP.
5/8"
TYP 4" O.C.
SECTION 'B'
NTS
GRATE
HEAVY DUTY STEEL ANGLE PERIMETER FRAME. SEE SPECIFICATIONS FOR COLOR, MANUFACTURER, AND MODEL NUMBER. INSTALL PER MANUFACTURER'S INSTRUCTIONS
PAVER
MORTAR
CONCRETE SLAB
FRAME HEIGHT TO MATCH SPECIFIED HEIGHT OF PAVER AND MORTAR BED
CONT. GALVANIZED STEEL FLAT BAR
2½" MIN.
6" MIN.
GALVANIZED STEEL EXPANSION BOLT. INSTALL PER MANUFACTURER'S INSTRUCTIONS
SECTION
NTS

NOTE: CONTRACTOR TO DETERMINE FINAL LOCATION OF LIGHT PORT BY COORDINATING THE TREE GRATE MANUFACTURER'S WORKSHEET FOR LOCATING LIGHT PORTS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONTRACTOR TO DETERMINE SIZE OF LIGHT PORT REQUIRED TO ACCEPT TREE UPLIGHT FIXTURE

TREE GRATE AND FRAME IN PAVERS

SCALE: 1"=1'-0"

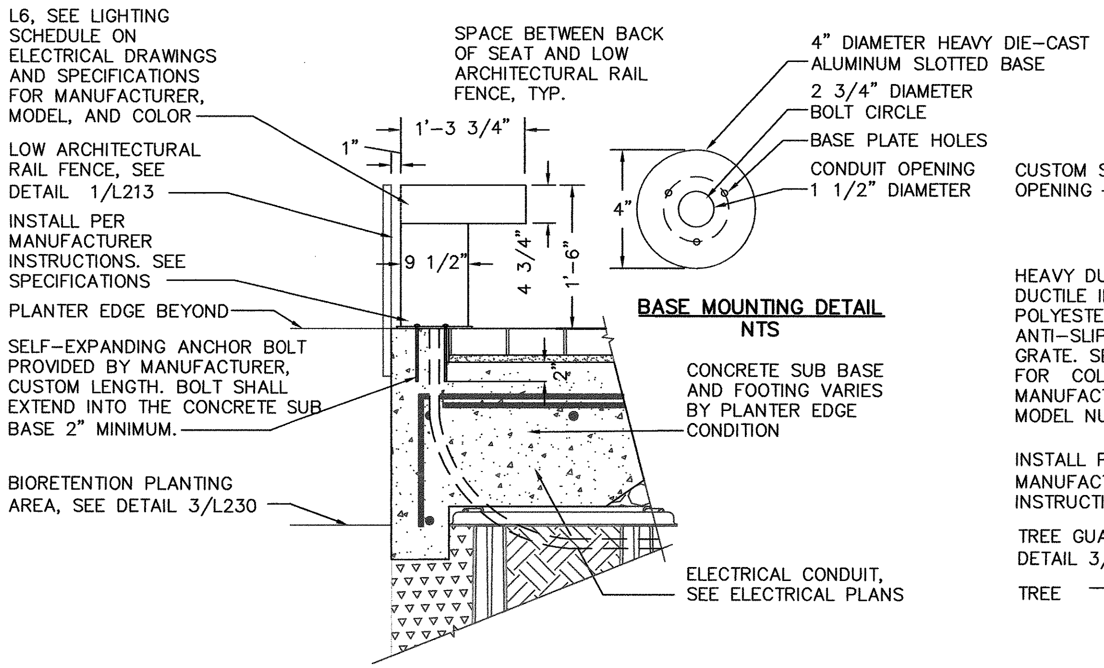
2
L210


1'-5/8"
CUSTOM VERTICAL BAR PICKETS TO A LENGTH THAT MATCHES THE TOP OF THE TREE GUARD LEG
CUSTOM ALUMINUM TREE GUARD, SEE SPECIFICATIONS FOR MANUFACTURER AND MODEL NUMBER
POLYESTER POWDER COAT FINISH, SEE SPECIFICATIONS FOR COLOR
CUSTOM VERTICAL BAR PICKETS TO A LENGTH THAT MATCHES THE CHANGE IN ANGLE OF THE TREE GUARD LEG
ATTACH TREE GUARD TO TREE GRATE PER MANUFACTURER'S INSTRUCTIONS
TREE GRATE, SEE DETAILS 2/L210 AND 5/L210
MANUFACTURER TO WIDEN LEG ANGLE TO SPAN 18" HOLE OPENING
5'-9 5/8"
1'-8"

TREE GUARD

SCALE: 1"=1'-0"

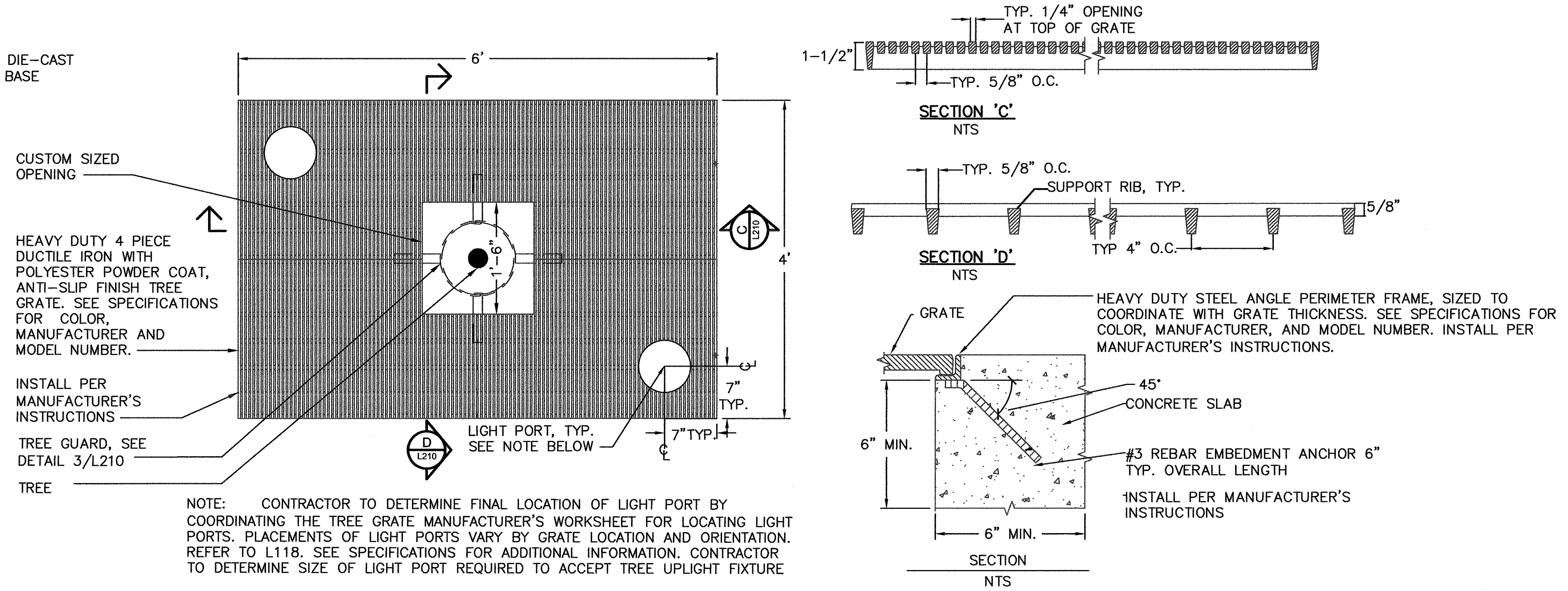
3
L210


L6, SEE LIGHTING SCHEDULE ON ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR MANUFACTURER, MODEL, AND COLOR
SPACE BETWEEN BACK OF SEAT AND LOW ARCHITECTURAL RAIL FENCE, TYP.
LOW ARCHITECTURAL RAIL FENCE, SEE DETAIL 1/L213
INSTALL PER MANUFACTURER INSTRUCTIONS. SEE SPECIFICATIONS
PLANTER EDGE BEYOND
SELF-EXPANDING ANCHOR BOLT PROVIDED BY MANUFACTURER, CUSTOM LENGTH. BOLT SHALL EXTEND INTO THE CONCRETE SUB BASE 2" MINIMUM.
BIORETENTION PLANTING AREA, SEE DETAIL 3/L230
1'-3 3/4"
1"
9 1/2"
4 3/4"
1'-6"
2"
CONCRETE SUB BASE AND FOOTING VARIES BY PLANTER EDGE CONDITION
ELECTRICAL CONDUIT, SEE ELECTRICAL PLANS
4" DIAMETER HEAVY DIE-CAST ALUMINUM SLOTTED BASE
2 3/4" DIAMETER BOLT CIRCLE
BASE PLATE HOLES
CONDUIT OPENING 1 1/2" DIAMETER
4"
BASE MOUNTING DETAIL
NTS

BOLLARD SEAT WITH LIGHT (L6)

SCALE: 1" = 1'-0"

4
L210


6'
4'
CUSTOM SIZED OPENING
HEAVY DUTY 4 PIECE DUCTILE IRON WITH POLYESTER POWDER COAT, ANTI-SLIP FINISH TREE GRATE. SEE SPECIFICATIONS FOR COLOR, MANUFACTURER AND MODEL NUMBER.
INSTALL PER MANUFACTURER'S INSTRUCTIONS
TREE GUARD, SEE DETAIL 3/L210
TREE
1'-6"
C L210
D L210
LIGHT PORT, TYP. SEE NOTE BELOW
7" TYP.
7"TYP.
TYP. 1/4" OPENING AT TOP OF GRATE
1-1/2"
TYP. 5/8" O.C.
SECTION 'C'
NTS
TYP. 5/8" O.C.
SUPPORT RIB, TYP.
5/8"
TYP 4" O.C.
SECTION 'D'
NTS
GRATE
HEAVY DUTY STEEL ANGLE PERIMETER FRAME, SIZED TO COORDINATE WITH GRATE THICKNESS. SEE SPECIFICATIONS FOR COLOR, MANUFACTURER, AND MODEL NUMBER. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
45°
CONCRETE SLAB
#3 REBAR EMBEDMENT ANCHOR 6" TYP. OVERALL LENGTH
INSTALL PER MANUFACTURER'S INSTRUCTIONS
6" MIN.
6" MIN.
SECTION
NTS

NOTE: CONTRACTOR TO DETERMINE FINAL LOCATION OF LIGHT PORT BY COORDINATING THE TREE GRATE MANUFACTURER'S WORKSHEET FOR LOCATING LIGHT PORTS. PLACEMENTS OF LIGHT PORTS VARY BY GRATE LOCATION AND ORIENTATION. REFER TO L118. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CONTRACTOR TO DETERMINE SIZE OF LIGHT PORT REQUIRED TO ACCEPT TREE UPLIGHT FIXTURE

TREE GRATE AND FRAME IN CONCRETE

SCALE: 1" = 1'-0"

5
L210

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
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HALF SIZE

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DRAWN:
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CHECKED:
C.GOLDADE
APPROVED:
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DATE:
20151015

PHILIP A. ERICKSON
No. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

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COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
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BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 1 OF 9

CADD FILENAME DB-L210-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L210
PAGE NO. 170

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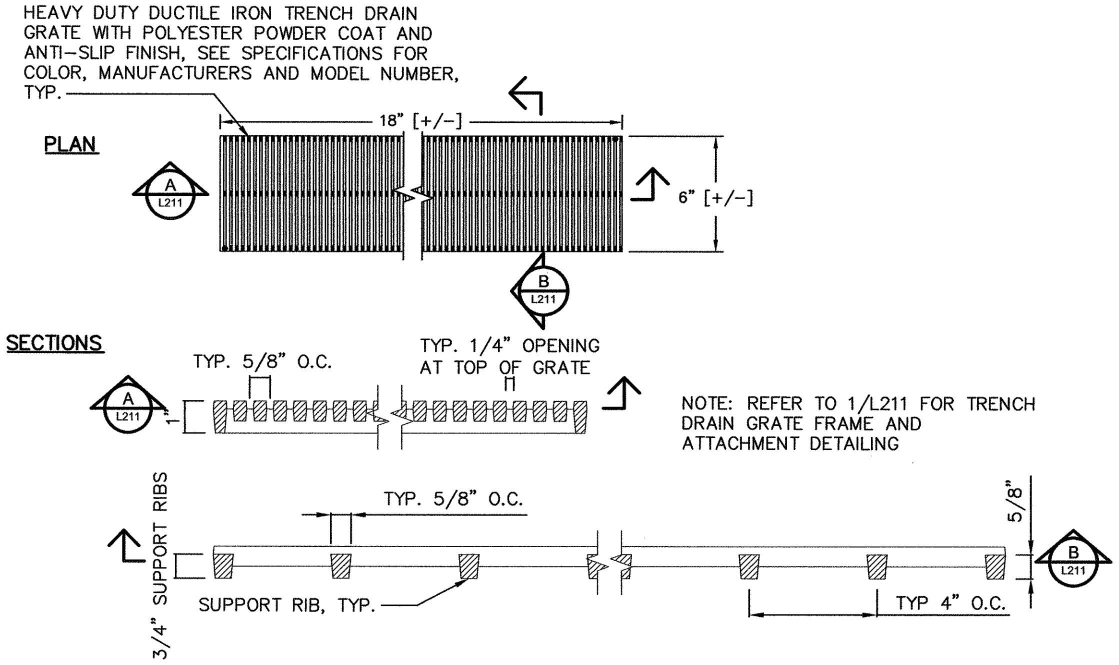
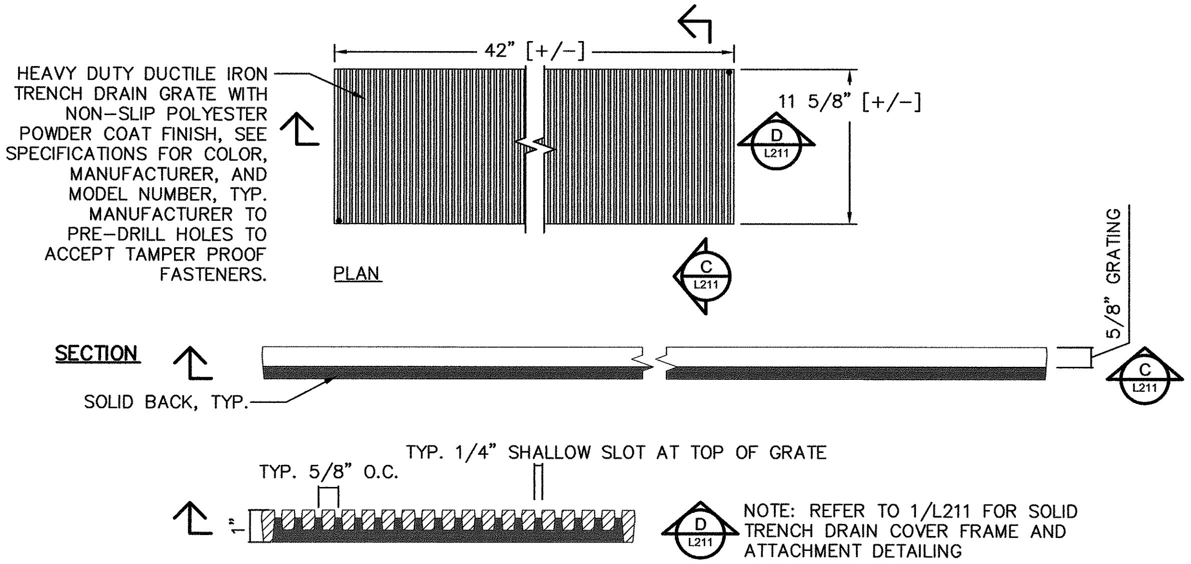

HEAVY DUTY DUCTILE IRON TRENCH DRAIN GRATE WITH POLYESTER POWDER COAT AND ANTI–SLIP FINISH, SEE SPECIFICATIONS FOR COLOR, MANUFACTURERS AND MODEL NUMBER, TYP.
PLAN
18" [+/–]
6" [+/–]
A L211
B L211
SECTIONS
TYP. 5/8" O.C.
TYP. 1/4" OPENING AT TOP OF GRATE
1"
NOTE: REFER TO 1/L211 FOR TRENCH DRAIN GRATE FRAME AND ATTACHMENT DETAILING
3/4" SUPPORT RIBS
TYP. 5/8" O.C.
5/8"
SUPPORT RIB, TYP.
TYP 4" O.C.

OPEN TRENCH DRAIN GRATE

SCALE: NTS

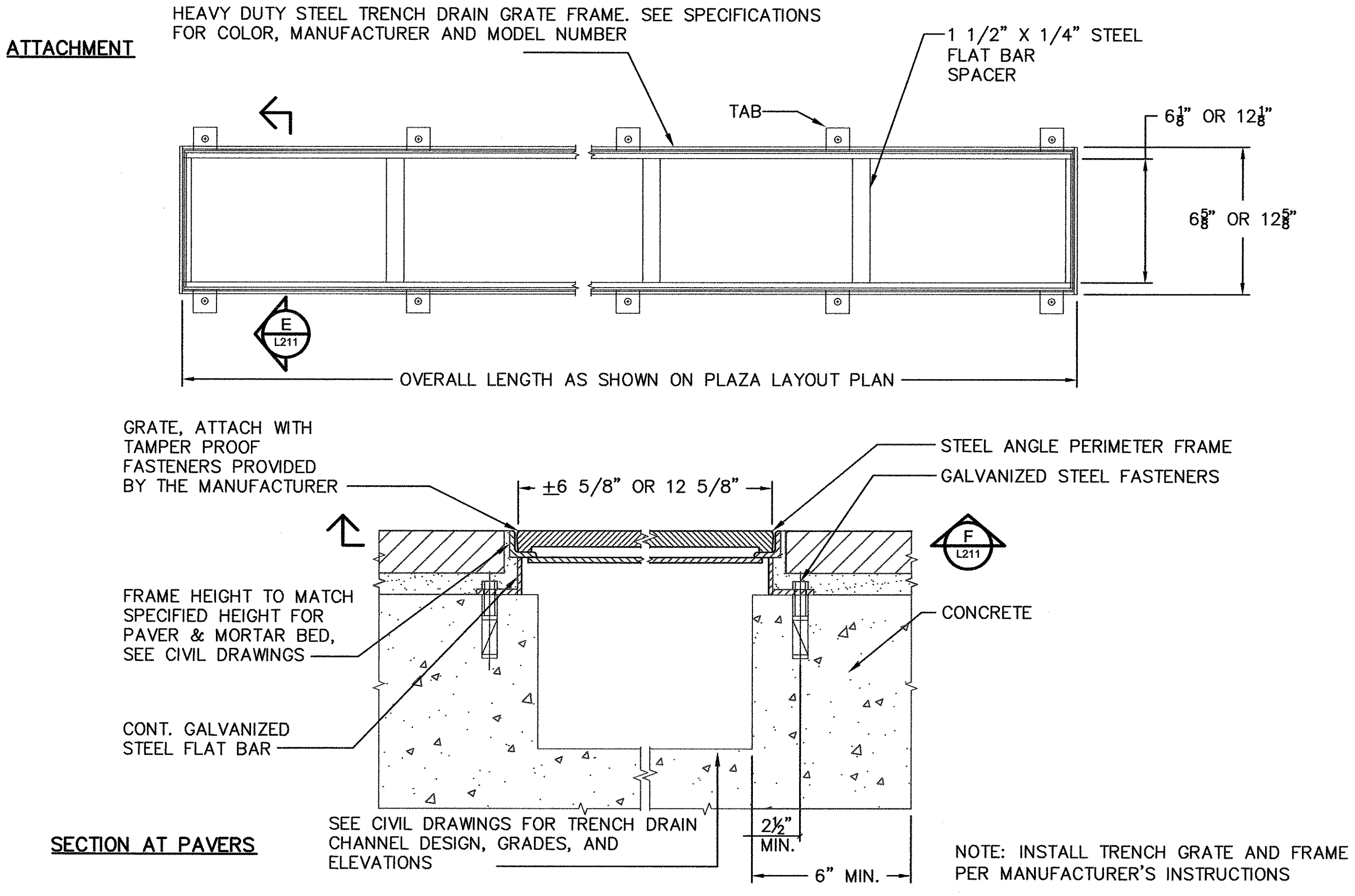
1 L211


HEAVY DUTY DUCTILE IRON TRENCH DRAIN GRATE WITH NON–SLIP POLYESTER POWDER COAT FINISH, SEE SPECIFICATIONS FOR COLOR, MANUFACTURER, AND MODEL NUMBER, TYP. MANUFACTURER TO PRE–DRILL HOLES TO ACCEPT TAMPER PROOF FASTENERS.
42" [+/–]
11 5/8" [+/–]
D L211
C L211
PLAN
5/8" GRATING
SECTION
SOLID BACK, TYP.
TYP. 1/4" SHALLOW SLOT AT TOP OF GRATE
TYP. 5/8" O.C.
1"
NOTE: REFER TO 1/L211 FOR SOLID TRENCH DRAIN COVER FRAME AND ATTACHMENT DETAILING

SOLID TRENCH DRAIN COVER

SCALE: NTS

2 L211

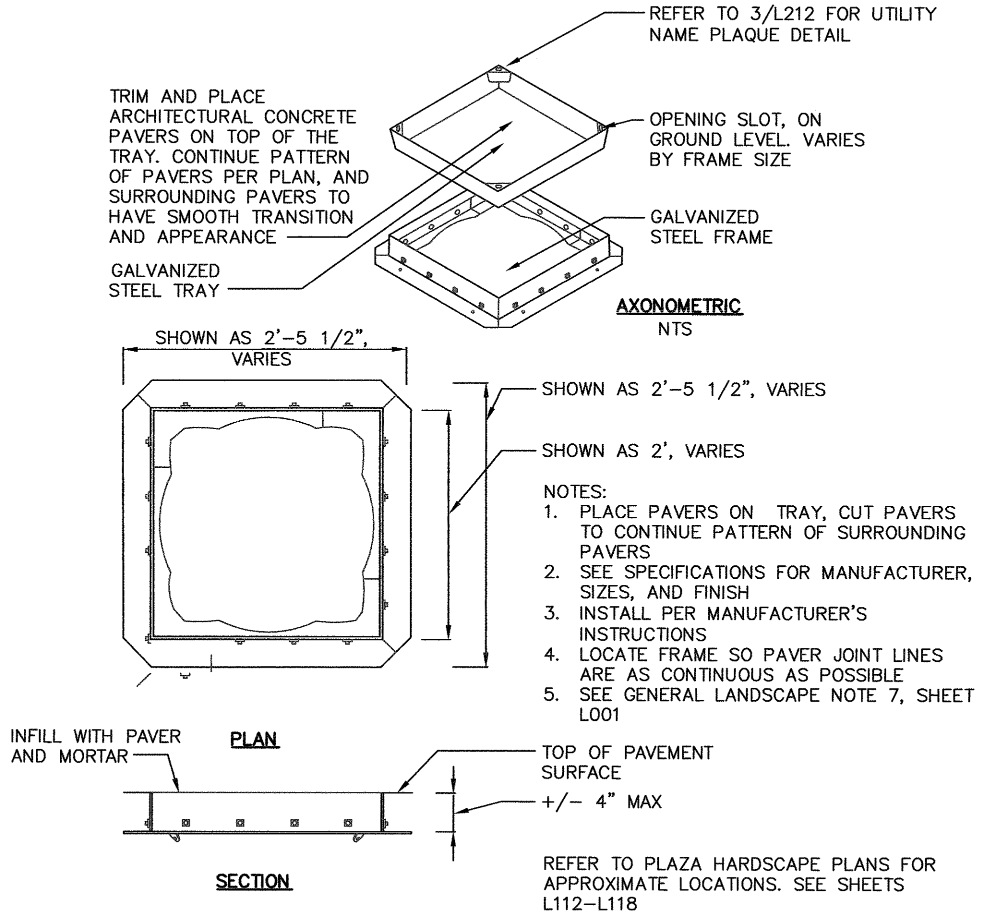

ATTACHMENT
HEAVY DUTY STEEL TRENCH DRAIN GRATE FRAME. SEE SPECIFICATIONS FOR COLOR, MANUFACTURER AND MODEL NUMBER
1 1/2" X 1/4" STEEL FLAT BAR SPACER
TAB
6⅛" OR 12⅛"
6⅝" OR 12⅝"
E L211
OVERALL LENGTH AS SHOWN ON PLAZA LAYOUT PLAN
GRATE, ATTACH WITH TAMPER PROOF FASTENERS PROVIDED BY THE MANUFACTURER
±6 5/8" OR 12 5/8"
STEEL ANGLE PERIMETER FRAME
GALVANIZED STEEL FASTENERS
F L211
FRAME HEIGHT TO MATCH SPECIFIED HEIGHT FOR PAVER & MORTAR BED, SEE CIVIL DRAWINGS
CONCRETE
CONT. GALVANIZED STEEL FLAT BAR
SECTION AT PAVERS
SEE CIVIL DRAWINGS FOR TRENCH DRAIN CHANNEL DESIGN, GRADES, AND ELEVATIONS
2½" MIN.
6" MIN.

NOTE: INSTALL TRENCH GRATE AND FRAME PER MANUFACTURER'S INSTRUCTIONS

TRENCH DRAIN GRATE FRAME AND ATTACHMENT

SCALE: NTS

3 L211


REFER TO 3/L212 FOR UTILITY NAME PLAQUE DETAIL
TRIM AND PLACE ARCHITECTURAL CONCRETE PAVERS ON TOP OF THE TRAY. CONTINUE PATTERN OF PAVERS PER PLAN, AND SURROUNDING PAVERS TO HAVE SMOOTH TRANSITION AND APPEARANCE
OPENING SLOT, ON GROUND LEVEL. VARIES BY FRAME SIZE
GALVANIZED STEEL FRAME
GALVANIZED STEEL TRAY
AXONOMETRIC
NTS
SHOWN AS 2'–5 1/2", VARIES
SHOWN AS 2'–5 1/2", VARIES
SHOWN AS 2', VARIES
PLAN
INFILL WITH PAVER AND MORTAR
TOP OF PAVEMENT SURFACE
+/– 4" MAX
SECTION

NOTES:

1. PLACE PAVERS ON TRAY, CUT PAVERS TO CONTINUE PATTERN OF SURROUNDING PAVERS
2. SEE SPECIFICATIONS FOR MANUFACTURER, SIZES, AND FINISH
3. INSTALL PER MANUFACTURER'S INSTRUCTIONS
4. LOCATE FRAME SO PAVER JOINT LINES ARE AS CONTINUOUS AS POSSIBLE
5. SEE GENERAL LANDSCAPE NOTE 7, SHEET L001

REFER TO PLAZA HARDSCAPE PLANS FOR APPROXIMATE LOCATIONS. SEE SHEETS L112–L118

DECORATIVE UTILITY ACCESS COVER

SCALE: 1"=1'–0"

4 L211

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LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

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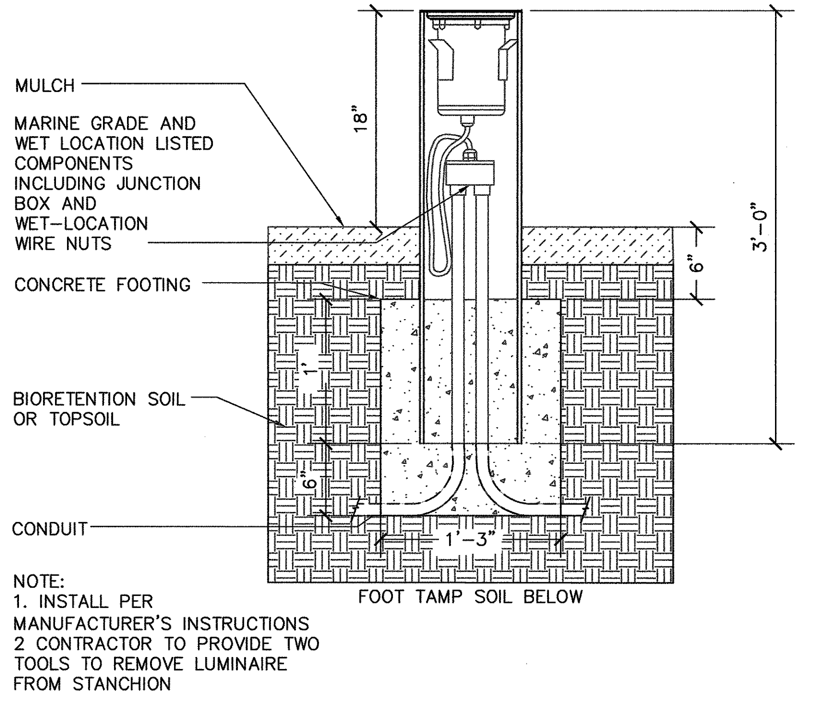
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 2 OF 9

CADD FILENAME: DB–L211–P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L211
PAGE NO.: 171

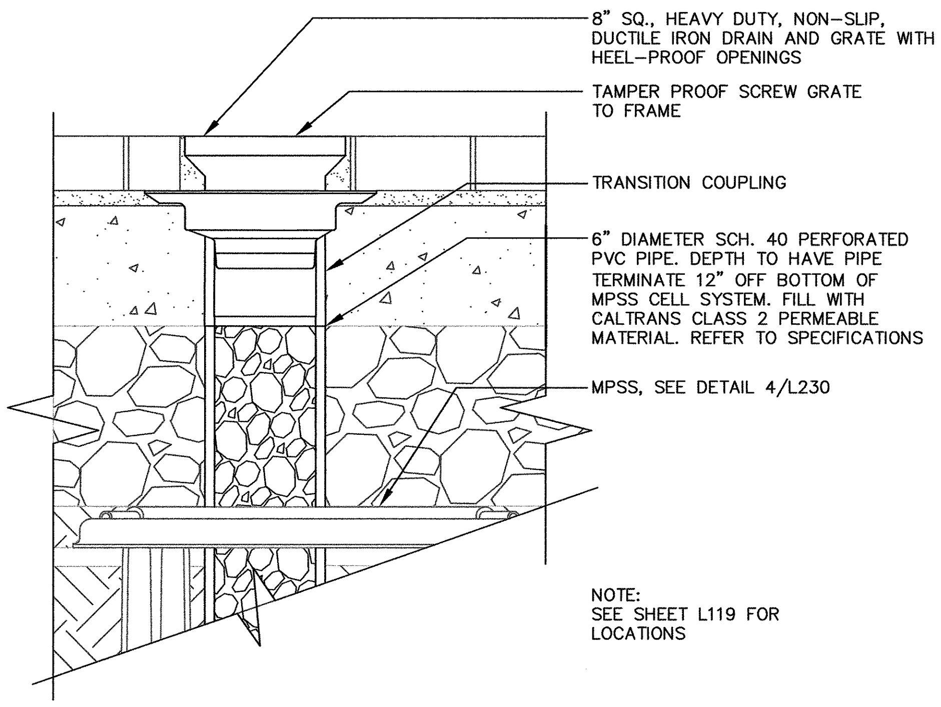

MULCH
MARINE GRADE AND WET LOCATION LISTED COMPONENTS INCLUDING JUNCTION BOX AND WET–LOCATION WIRE NUTS
CONCRETE FOOTING
BIORETENTION SOIL OR TOPSOIL
CONDUIT
18"
3'–0"
6"
1'
6"
1'–3"
FOOT TAMP SOIL BELOW

NOTE:
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS
2 CONTRACTOR TO PROVIDE TWO TOOLS TO REMOVE LUMINAIRE FROM STANCHION

L11 RAISED TREE UPLIGHT IN BIORETENTION TREE WELL

SCALE: 1–1/2" = 1'–0"

1
L212

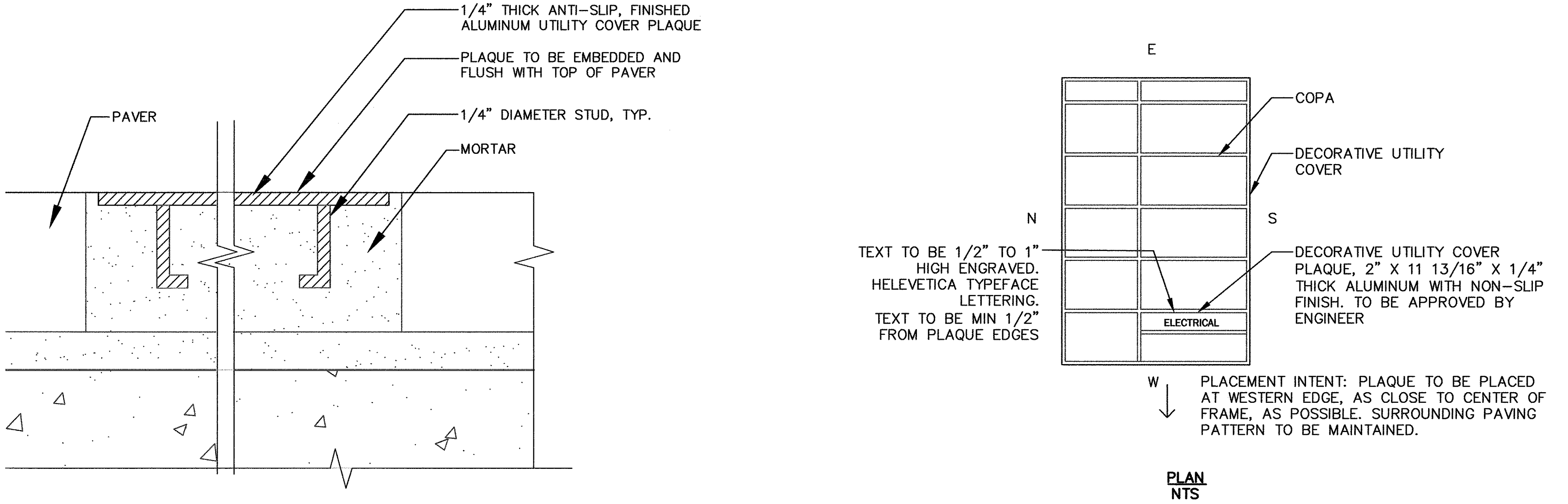

8" SQ., HEAVY DUTY, NON–SLIP, DUCTILE IRON DRAIN AND GRATE WITH HEEL–PROOF OPENINGS
TAMPER PROOF SCREW GRATE TO FRAME
TRANSITION COUPLING
6" DIAMETER SCH. 40 PERFORATED PVC PIPE. DEPTH TO HAVE PIPE TERMINATE 12" OFF BOTTOM OF MPSS CELL SYSTEM. FILL WITH CALTRANS CLASS 2 PERMEABLE MATERIAL. REFER TO SPECIFICATIONS
MPSS, SEE DETAIL 4/L230

NOTE:
SEE SHEET L119 FOR LOCATIONS

AERATION ASSEMBLY

SCALE: 1–1/2" = 1'–0"

2
L212


1/4" THICK ANTI–SLIP, FINISHED ALUMINUM UTILITY COVER PLAQUE
PLAQUE TO BE EMBEDDED AND FLUSH WITH TOP OF PAVER
1/4" DIAMETER STUD, TYP.
MORTAR
PAVER
E
N
S
W
COPA
DECORATIVE UTILITY COVER
ELECTRICAL
TEXT TO BE 1/2" TO 1" HIGH ENGRAVED. HELEVETICA TYPEFACE LETTERING.
TEXT TO BE MIN 1/2" FROM PLAQUE EDGES
DECORATIVE UTILITY COVER PLAQUE, 2" X 11 13/16" X 1/4" THICK ALUMINUM WITH NON–SLIP FINISH. TO BE APPROVED BY ENGINEER

PLACEMENT INTENT: PLAQUE TO BE PLACED AT WESTERN EDGE, AS CLOSE TO CENTER OF FRAME, AS POSSIBLE. SURROUNDING PAVING PATTERN TO BE MAINTAINED.

PLAN
NTS

PLAQUE IN DECORATIVE UTILITY COVER

SCALE: AS NOTED

3
L212

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						HALF SIZE

DESIGNED:
P.ERICKSON
DRAWN:
K.MAJEWSKI
CHECKED:
C.GOLDADE
APPROVED:
P.ERICKSON
DATE:
20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

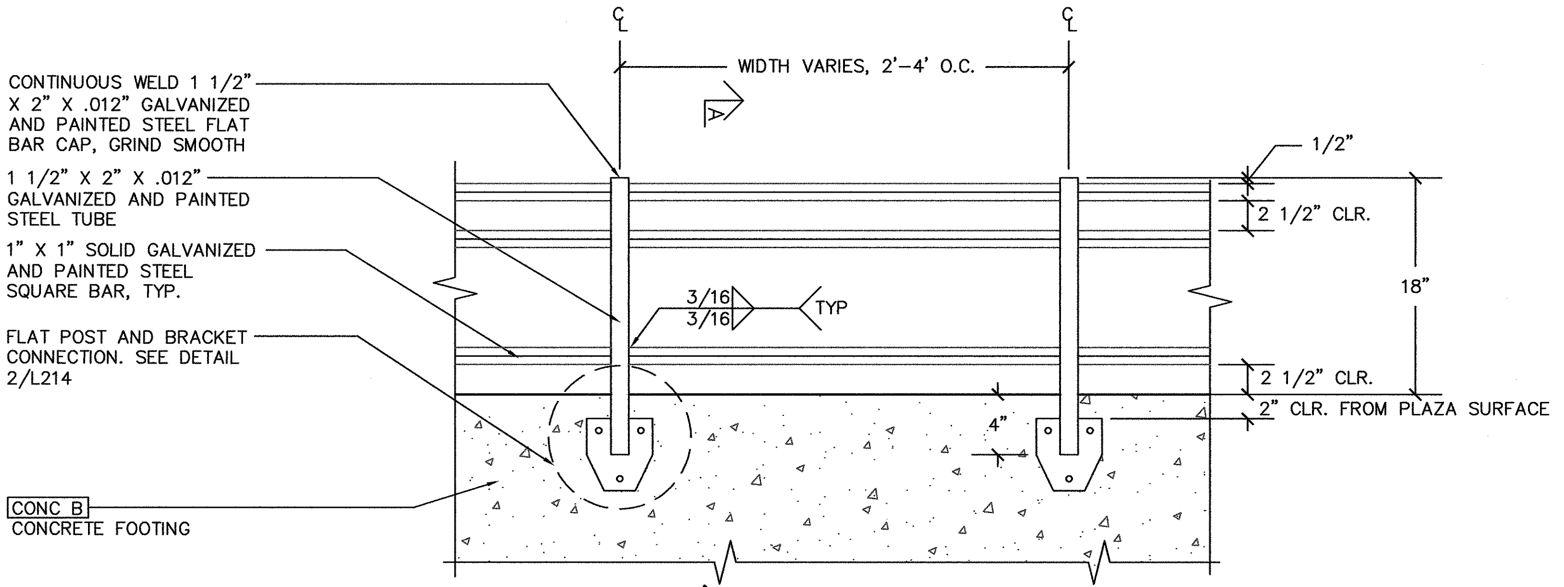
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 3 OF 9

CADD FILENAME
DB–L212–P.dwg
SIZE: D
SCALE 1"=2'–0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L212
PAGE NO. 172

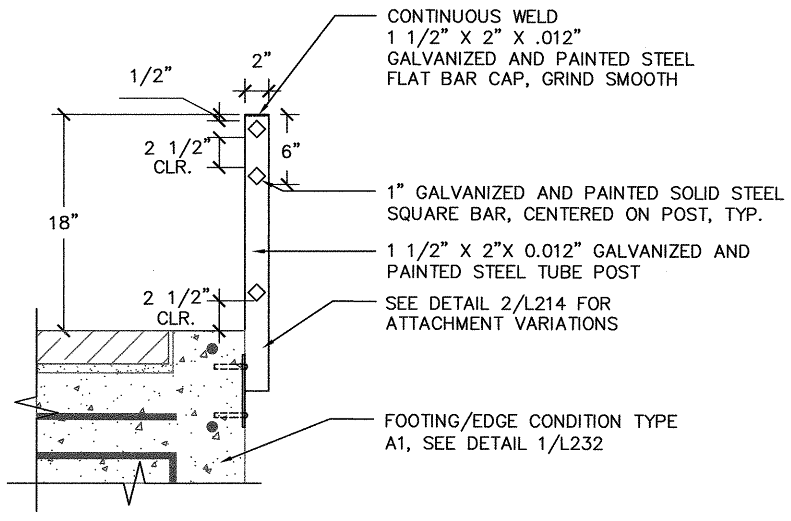
Katrina Majewski Dec 17, 2015 - 4:14pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L212-A-15km.dwg



CL
CL
WIDTH VARIES, 2'-4' O.C.
A
CONTINUOUS WELD 1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL FLAT BAR CAP, GRIND SMOOTH
1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL TUBE
1" X 1" SOLID GALVANIZED AND PAINTED STEEL SQUARE BAR, TYP.
FLAT POST AND BRACKET CONNECTION. SEE DETAIL 2/L214
3/16
3/16
TYP
1/2"
2 1/2" CLR.
18"
2 1/2" CLR.
4"
2" CLR. FROM PLAZA SURFACE
CONC B
CONCRETE FOOTING

A
L213

ELEVATION FROM INSIDE PLANTER



1/2"
2"
CONTINUOUS WELD 1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL FLAT BAR CAP, GRIND SMOOTH
2 1/2" CLR.
6"
18"
1" GALVANIZED AND PAINTED SOLID STEEL SQUARE BAR, CENTERED ON POST, TYP.
1 1/2" X 2"X 0.012" GALVANIZED AND PAINTED STEEL TUBE POST
2 1/2" CLR.
SEE DETAIL 2/L214 FOR ATTACHMENT VARIATIONS
FOOTING/EDGE CONDITION TYPE A1, SEE DETAIL 1/L232

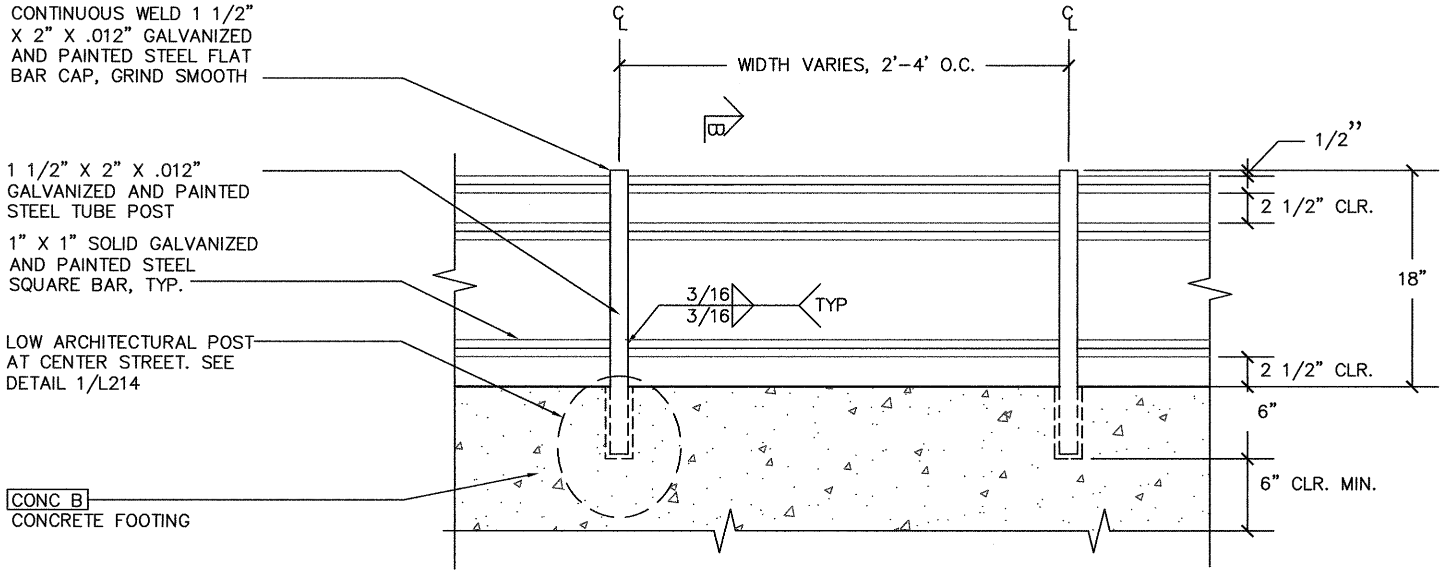
SECTION A

NOTES
1. ALL STEEL TO BE ASTM A500 GRADE B
2. ALL FENCE COMPONENTS TO BE HOT-DIP GALVANIZED, PAINTED, AND HAVE ANTI-GRAFFITI COAT.
3. FIELD VERIFY CONDITIONS TO DETERMINE LOCATIONS, SPACING, ANGLES, SLOPES, ETC. OF POSTS AND RAILS
4. SHOP DRAWINGS OF ALL FENCE DETAILS TO BE PROVIDED TO AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

LOW ARCHITECTURAL FENCE AT BIORETENTION TREE WELL

SCALE: 1 1/2"=1'-0"

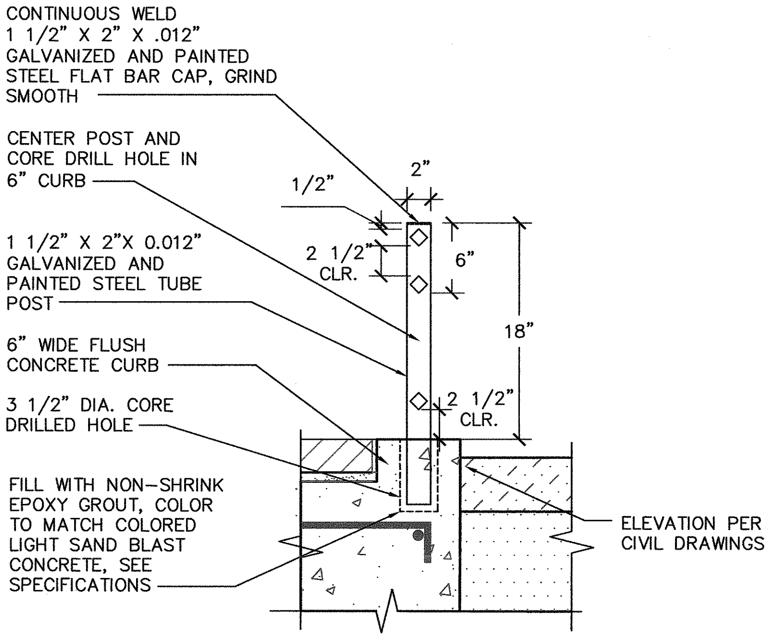
1
L213



CL
CL
WIDTH VARIES, 2'-4' O.C.
B
CONTINUOUS WELD 1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL FLAT BAR CAP, GRIND SMOOTH
1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL TUBE POST
1" X 1" SOLID GALVANIZED AND PAINTED STEEL SQUARE BAR, TYP.
LOW ARCHITECTURAL POST AT CENTER STREET. SEE DETAIL 1/L214
3/16
3/16
TYP
1/2"
2 1/2" CLR.
18"
2 1/2" CLR.
6"
6" CLR. MIN.
CONC B
CONCRETE FOOTING

B
L213

ELEVATION FROM INSIDE PLANTER



CONTINUOUS WELD 1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL FLAT BAR CAP, GRIND SMOOTH
CENTER POST AND CORE DRILL HOLE IN 6" CURB
1/2"
2"
1 1/2" X 2"X 0.012" GALVANIZED AND PAINTED STEEL TUBE POST
2 1/2" CLR.
6"
18"
6" WIDE FLUSH CONCRETE CURB
2 1/2" CLR.
3 1/2" DIA. CORE DRILLED HOLE
FILL WITH NON-SHRINK EPOXY GROUT, COLOR TO MATCH COLORED LIGHT SAND BLAST CONCRETE, SEE SPECIFICATIONS
ELEVATION PER CIVIL DRAWINGS

SECTION B

NOTES
1. ALL STEEL TO BE ASTM A500 GRADE B
2. ALL FENCE COMPONENTS TO BE HOT-DIP GALVANIZED, PAINTED, AND HAVE ANTI-GRAFFITI COAT.
3. FIELD VERIFY CONDITIONS TO DETERMINE LOCATIONS, SPACING, ANGLES, SLOPES, ETC. OF POSTS AND RAILS
4. SHOP DRAWINGS OF ALL FENCE DETAILS TO BE PROVIDED TO AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

LOW ARCHITECTURAL FENCE AT CENTER STREET PLANTER

SCALE: 1 1/2"=1'-0"

2
L213

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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23080
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
cd+a COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP

SUBMITTED

FMG ARCHITECTS

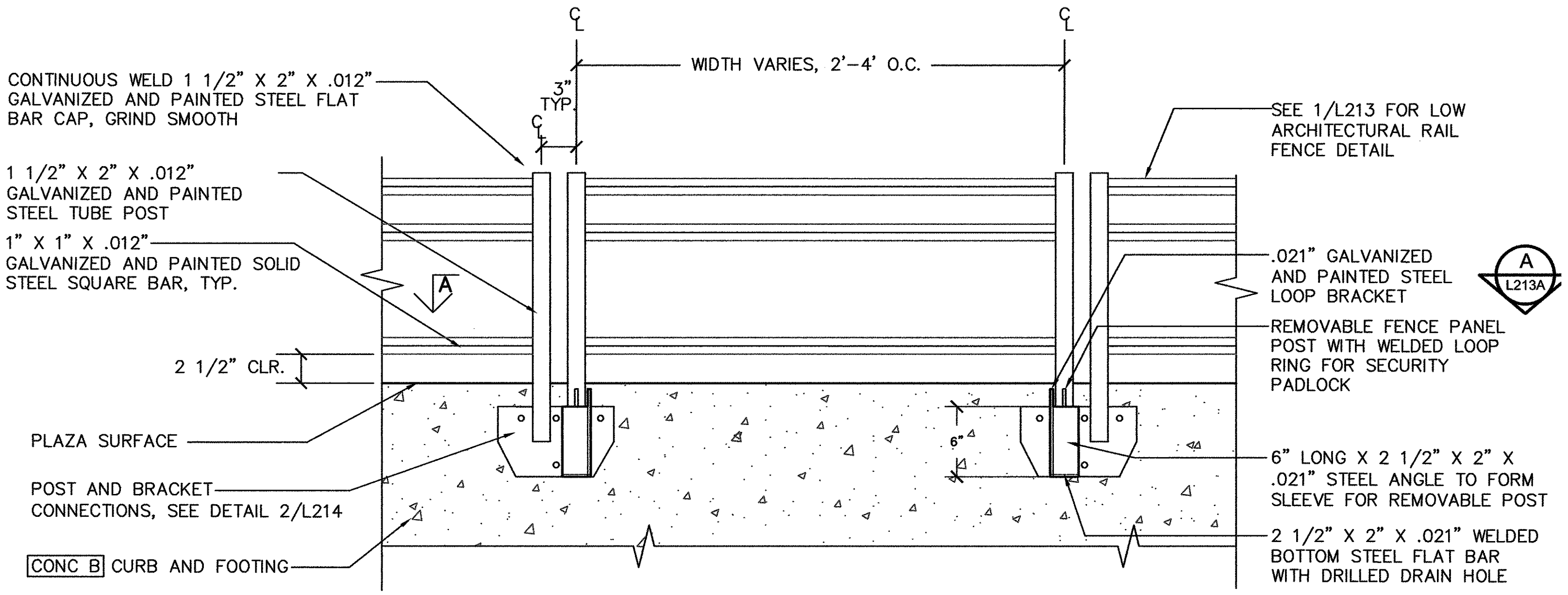
FMG ARCHITECTS

APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

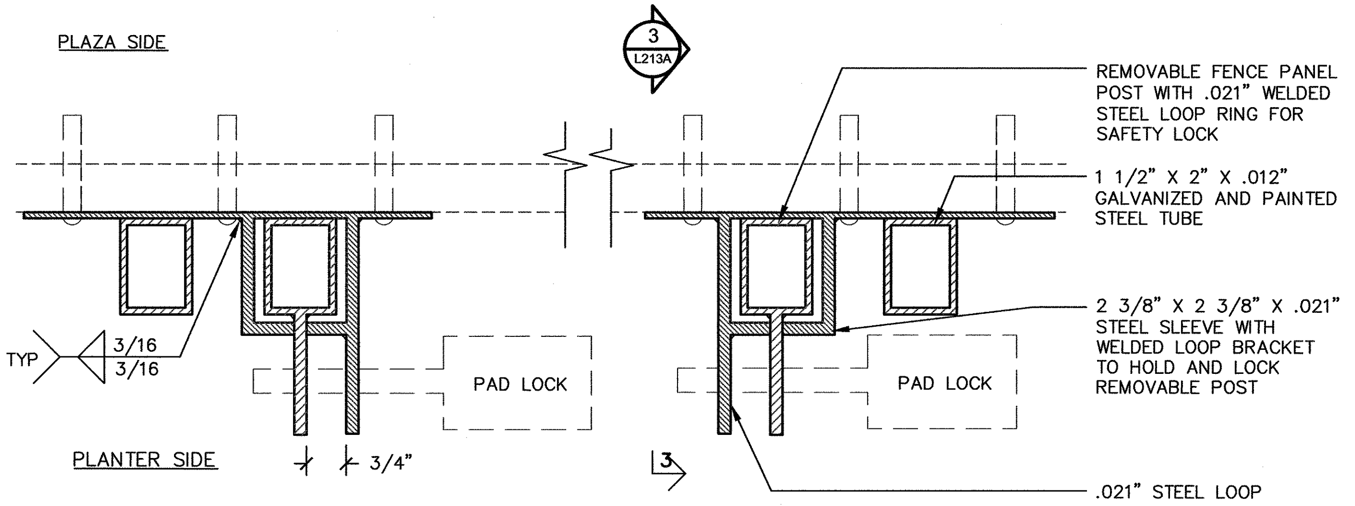
SITE FURNISHING DETAILS
4 OF 9

CADD FILENAME: DB-L213-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L213
PAGE NO.: 173


C
L
WIDTH VARIES, 2'-4' O.C.
3"
TYP.
CONTINUOUS WELD 1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL FLAT BAR CAP, GRIND SMOOTH
1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL TUBE POST
1" X 1" X .012" GALVANIZED AND PAINTED SOLID STEEL SQUARE BAR, TYP.
A
2 1/2" CLR.
PLAZA SURFACE
POST AND BRACKET CONNECTIONS, SEE DETAIL 2/L214
CONC B CURB AND FOOTING
6"
SEE 1/L213 FOR LOW ARCHITECTURAL RAIL FENCE DETAIL
.021" GALVANIZED AND PAINTED STEEL LOOP BRACKET
A
L213A
REMOVABLE FENCE PANEL POST WITH WELDED LOOP RING FOR SECURITY PADLOCK
6" LONG X 2 1/2" X 2" X .021" STEEL ANGLE TO FORM SLEEVE FOR REMOVABLE POST
2 1/2" X 2" X .021" WELDED BOTTOM STEEL FLAT BAR WITH DRILLED DRAIN HOLE

ELEVATION FROM INSIDE PLANTER OF REMOVABLE PANEL
SCALE: 1 1/2" = 1'-0"

NOTES
1. ALL STEEL TO BE ASTM A500 GRADE B
2. ALL FENCE COMPONENTS TO BE HOT-DIP GALVANIZED, PAINTED, AND HAVE ANTI-GRAFFITI COAT.
3. FIELD VERIFY CONDITIONS TO DETERMINE LOCATIONS, SPACING, ANGLES, SLOPES, ETC. OF POSTS AND RAILS
4. SHOP DRAWINGS OF ALL FENCE DETAILS TO BE PROVIDED TO AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

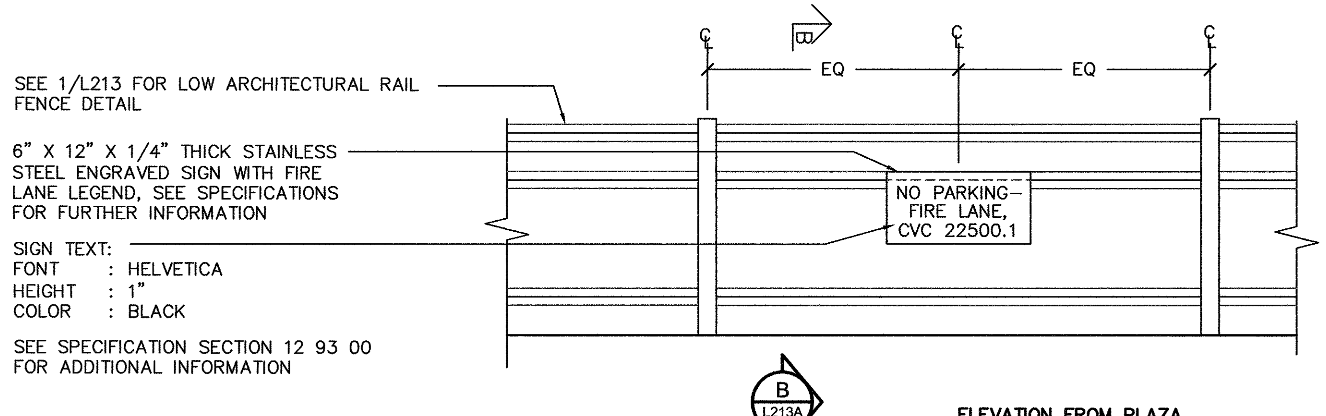

PLAZA SIDE
3
L213A
TYP
3/16
3/16
PAD LOCK
PAD LOCK
PLANTER SIDE
3/4"
3
REMOVABLE FENCE PANEL POST WITH .021" WELDED STEEL LOOP RING FOR SAFETY LOCK
1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL TUBE
2 3/8" X 2 3/8" X .021" STEEL SLEEVE WITH WELDED LOOP BRACKET TO HOLD AND LOCK REMOVABLE POST
.021" STEEL LOOP BRACKET FOR CONNECTION TO REMOVABLE FENCE PANEL

SECTION 'A' OF REMOVABLE PANEL
SCALE: 6" = 1'-0"

REMOVABLE PANEL IN LOW ARCHITECTURAL RAIL FENCE

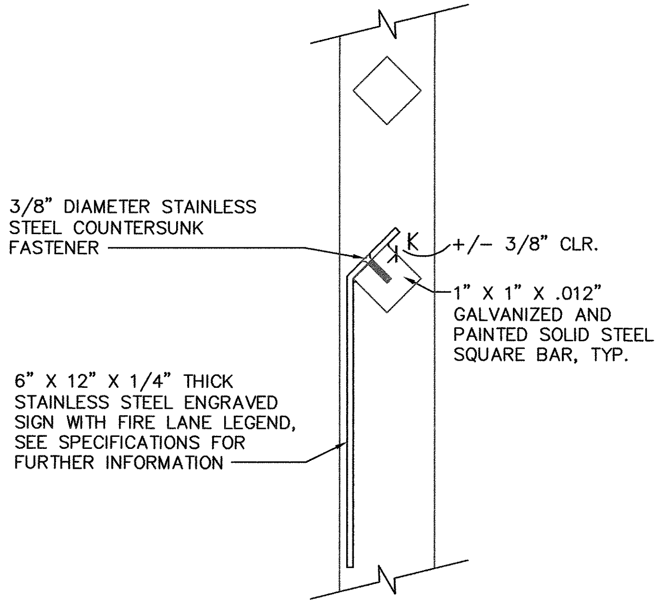
SCALE: AS NOTED

1
L213A


B
C
L
EQ
EQ
SEE 1/L213 FOR LOW ARCHITECTURAL RAIL FENCE DETAIL
6" X 12" X 1/4" THICK STAINLESS STEEL ENGRAVED SIGN WITH FIRE LANE LEGEND, SEE SPECIFICATIONS FOR FURTHER INFORMATION
NO PARKING–
FIRE LANE,
CVC 22500.1
SIGN TEXT:
FONT : HELVETICA
HEIGHT : 1"
COLOR : BLACK
SEE SPECIFICATION SECTION 12 93 00 FOR ADDITIONAL INFORMATION
B
L213A

ELEVATION FROM PLAZA
SCALE: 1 1/2" = 1'-0"

NOTES
1. ALL STEEL TO BE ASTM A500 GRADE B
2. ALL FENCE COMPONENTS TO BE HOT-DIP GALVANIZED, PAINTED, AND HAVE ANTI-GRAFFITI COAT.
3. FIELD VERIFY CONDITIONS TO DETERMINE LOCATIONS, SPACING, ANGLES, SLOPES, ETC. OF POSTS AND RAILS
4. SHOP DRAWINGS OF ALL FENCE DETAILS TO BE PROVIDED TO AND APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

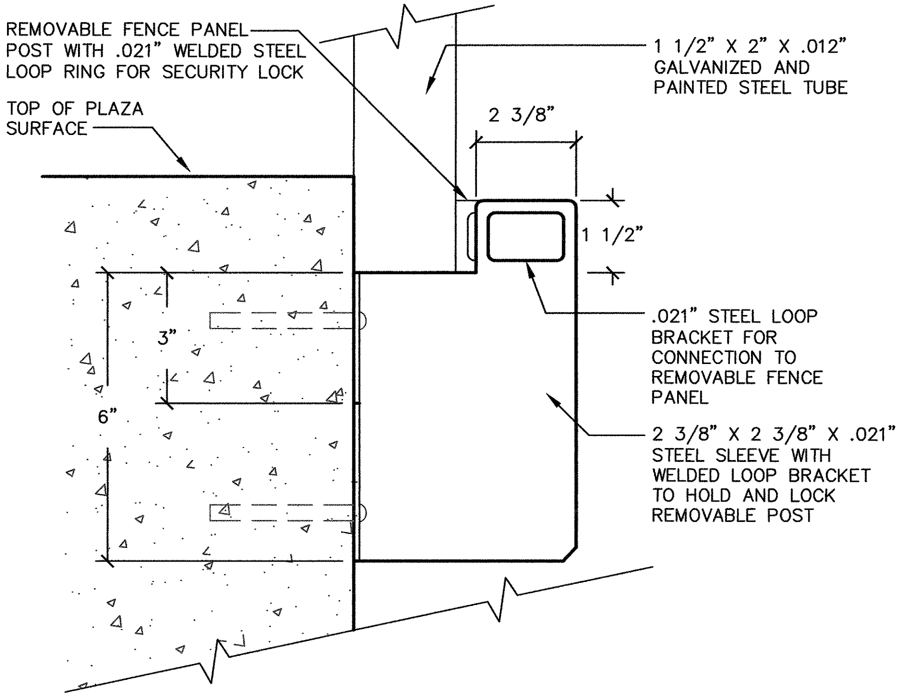

3/8" DIAMETER STAINLESS STEEL COUNTERSUNK FASTENER
+/- 3/8" CLR.
1" X 1" X .012" GALVANIZED AND PAINTED SOLID STEEL SQUARE BAR, TYP.
6" X 12" X 1/4" THICK STAINLESS STEEL ENGRAVED SIGN WITH FIRE LANE LEGEND, SEE SPECIFICATIONS FOR FURTHER INFORMATION

SECTION 'B' SIGN CONNECTION TO RAIL
SCALE: NTS

FIRE DEPARTMENT SIGNAGE ON LOW ARCHITECTURAL RAIL FENCE

SCALE: 1 1/2"=1'-0"

2
L213A


REMOVABLE FENCE PANEL POST WITH .021" WELDED STEEL LOOP RING FOR SECURITY LOCK
TOP OF PLAZA SURFACE
2 3/8"
1 1/2"
3"
6"
1 1/2" X 2" X .012" GALVANIZED AND PAINTED STEEL TUBE
.021" STEEL LOOP BRACKET FOR CONNECTION TO REMOVABLE FENCE PANEL
2 3/8" X 2 3/8" X .021" STEEL SLEEVE WITH WELDED LOOP BRACKET TO HOLD AND LOCK REMOVABLE POST

ELEVATION OF REMOVABLE PANEL ATTACHMENT

SCALE: 6"=1'-0"

3
L213A

REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID

REV.	DATE	BY	SUB	APP.	DESCRIPTION
					HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

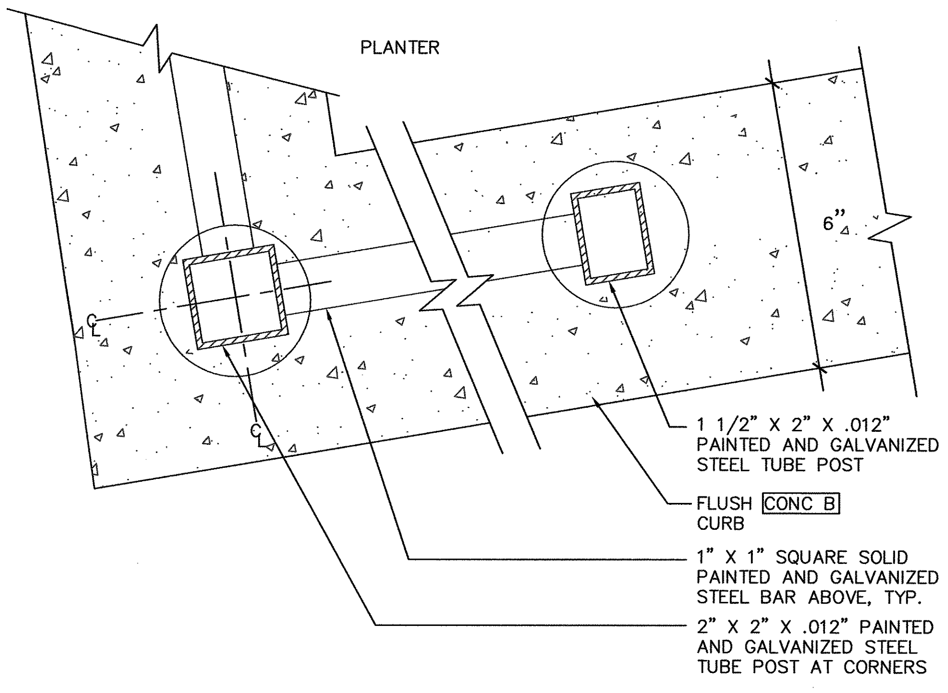
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erick

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 5 OF 9

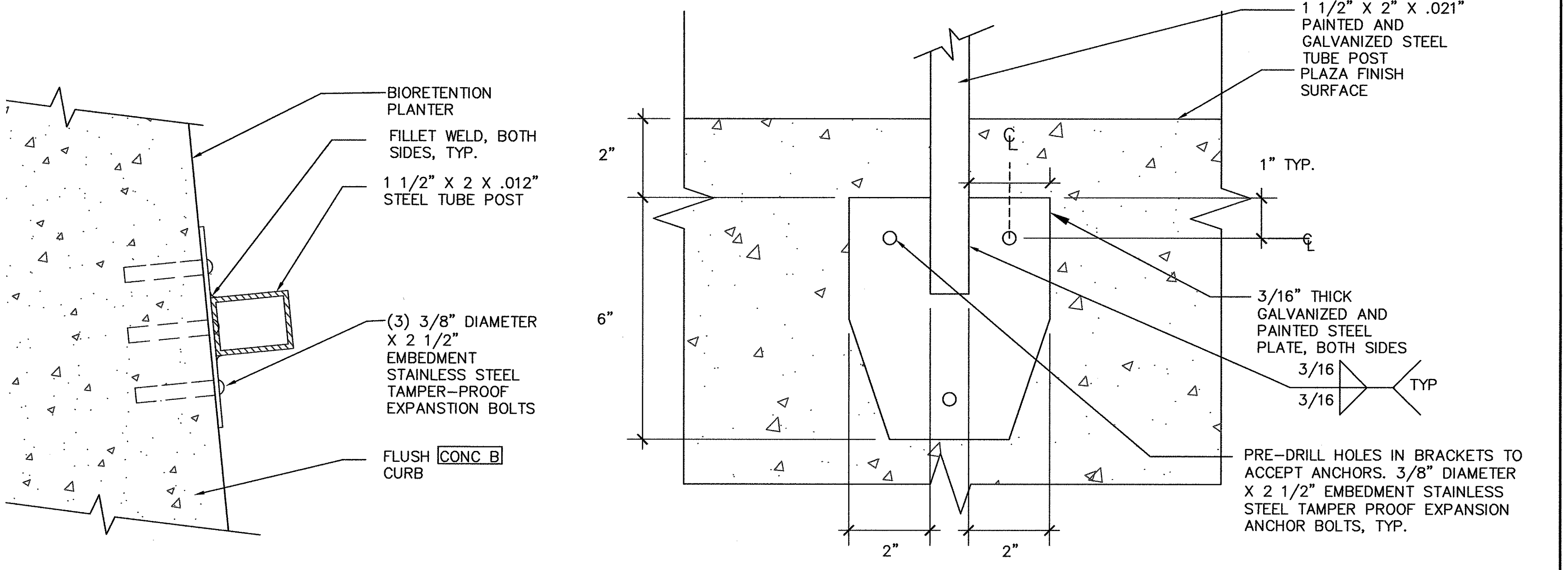
CADD FILENAME DB-L213A-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L213A
PAGE NO. 174


PLANTER
6"
℄
℄
1 1/2" X 2" X .012" PAINTED AND GALVANIZED STEEL TUBE POST
FLUSH CONC B CURB
1" X 1" SQUARE SOLID PAINTED AND GALVANIZED STEEL BAR ABOVE, TYP.
2" X 2" X .012" PAINTED AND GALVANIZED STEEL TUBE POST AT CORNERS

LOW ARCHITECTURAL POST AT CENTER STREET

SCALE: 6" = 1'-0"

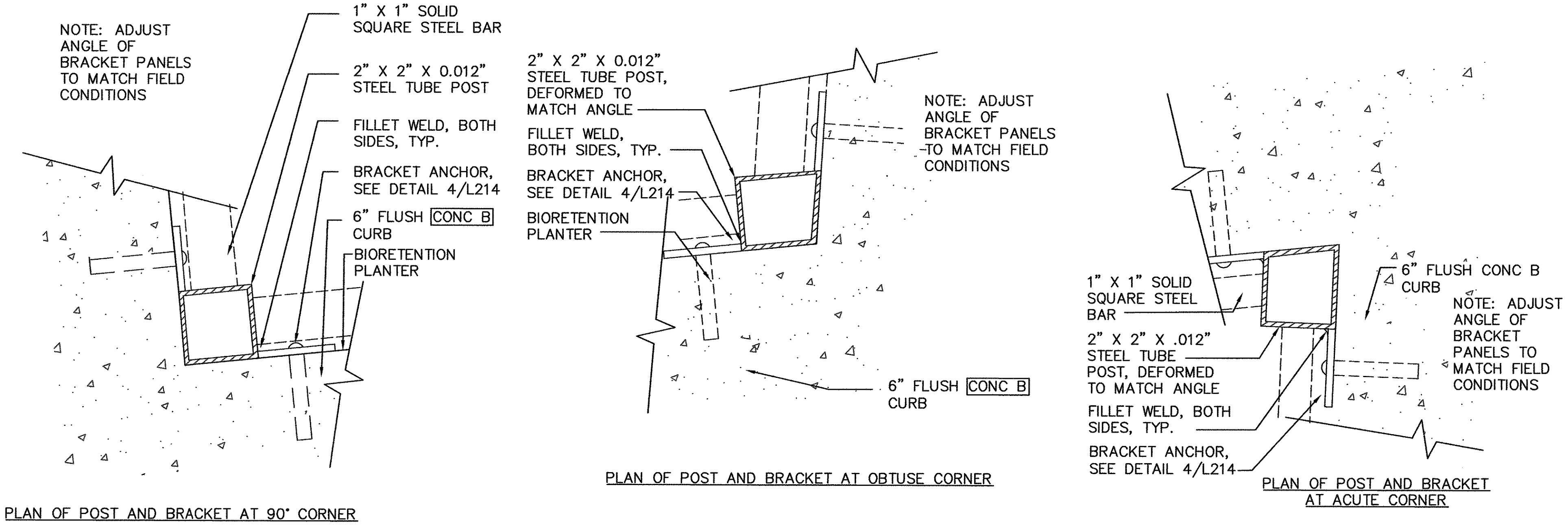
1
L214


BIORETENTION PLANTER
FILLET WELD, BOTH SIDES, TYP.
1 1/2" X 2 X .012" STEEL TUBE POST
(3) 3/8" DIAMETER X 2 1/2" EMBEDMENT STAINLESS STEEL TAMPER-PROOF EXPANSTION BOLTS
FLUSH CONC B CURB
1 1/2" X 2" X .021" PAINTED AND GALVANIZED STEEL TUBE POST
PLAZA FINISH SURFACE
2"
6"
℄
1" TYP.
℄
3/16" THICK GALVANIZED AND PAINTED STEEL PLATE, BOTH SIDES
3/16
3/16
TYP
PRE-DRILL HOLES IN BRACKETS TO ACCEPT ANCHORS. 3/8" DIAMETER X 2 1/2" EMBEDMENT STAINLESS STEEL TAMPER PROOF EXPANSION ANCHOR BOLTS, TYP.
2"
2"

FLAT POST AND BRACKET CONNECTIONS

SCALE: 6" = 1"

2
L214


NOTE: ADJUST ANGLE OF BRACKET PANELS TO MATCH FIELD CONDITIONS
1" X 1" SOLID SQUARE STEEL BAR
2" X 2" X 0.012" STEEL TUBE POST
FILLET WELD, BOTH SIDES, TYP.
BRACKET ANCHOR, SEE DETAIL 4/L214
6" FLUSH CONC B CURB
BIORETENTION PLANTER
2" X 2" X 0.012" STEEL TUBE POST, DEFORMED TO MATCH ANGLE
FILLET WELD, BOTH SIDES, TYP.
BRACKET ANCHOR, SEE DETAIL 4/L214
BIORETENTION PLANTER
NOTE: ADJUST ANGLE OF BRACKET PANELS TO MATCH FIELD CONDITIONS
6" FLUSH CONC B CURB
1" X 1" SOLID SQUARE STEEL BAR
2" X 2" X .012" STEEL TUBE POST, DEFORMED TO MATCH ANGLE
FILLET WELD, BOTH SIDES, TYP.
BRACKET ANCHOR, SEE DETAIL 4/L214
6" FLUSH CONC B CURB
NOTE: ADJUST ANGLE OF BRACKET PANELS TO MATCH FIELD CONDITIONS

PLAN OF POST AND BRACKET AT 90° CORNER

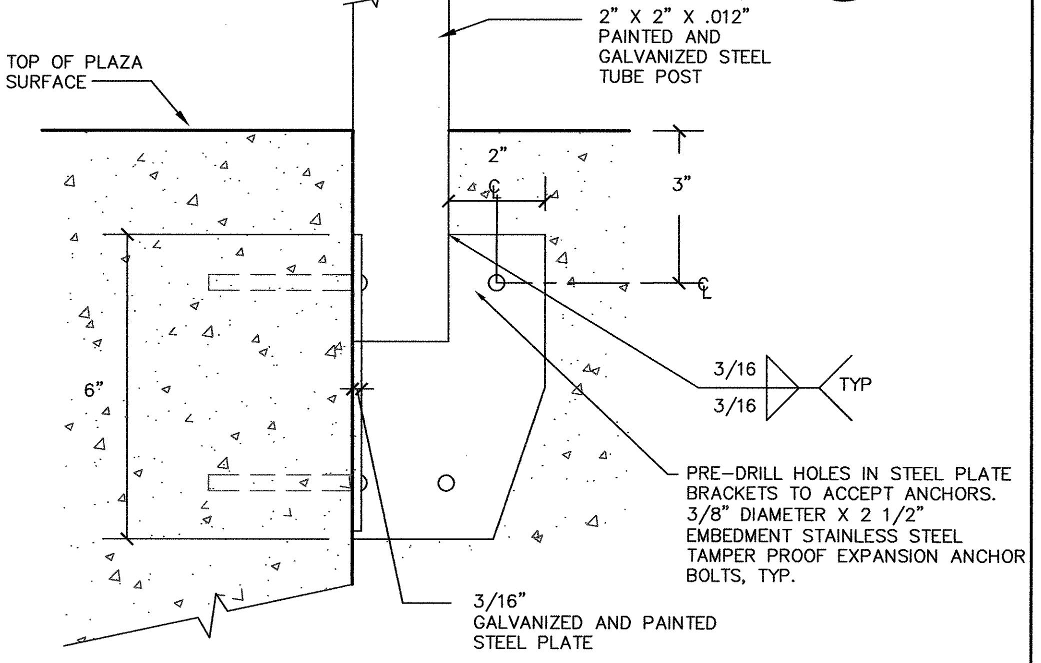
PLAN OF POST AND BRACKET AT OBTUSE CORNER

PLAN OF POST AND BRACKET AT ACUTE CORNER

CORNER POST BRACKET CONNECTIONS AT BIORETENTION PLANTER

SCALE: 6" = 1'-0"

3
L214


2" X 2" X .012" PAINTED AND GALVANIZED STEEL TUBE POST
TOP OF PLAZA SURFACE
2"
℄
3"
℄
6"
3/16
3/16
TYP
PRE-DRILL HOLES IN STEEL PLATE BRACKETS TO ACCEPT ANCHORS. 3/8" DIAMETER X 2 1/2" EMBEDMENT STAINLESS STEEL TAMPER PROOF EXPANSION ANCHOR BOLTS, TYP.
3/16" GALVANIZED AND PAINTED STEEL PLATE

SECTION/ELEVATION OF POST CORNER BRACKET CONNECTION, TYP

SCALE: 6" = 1'-0"

4
L214

Katrina Majewski Dec 17, 2015 - 6:38pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L214-A-14km.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

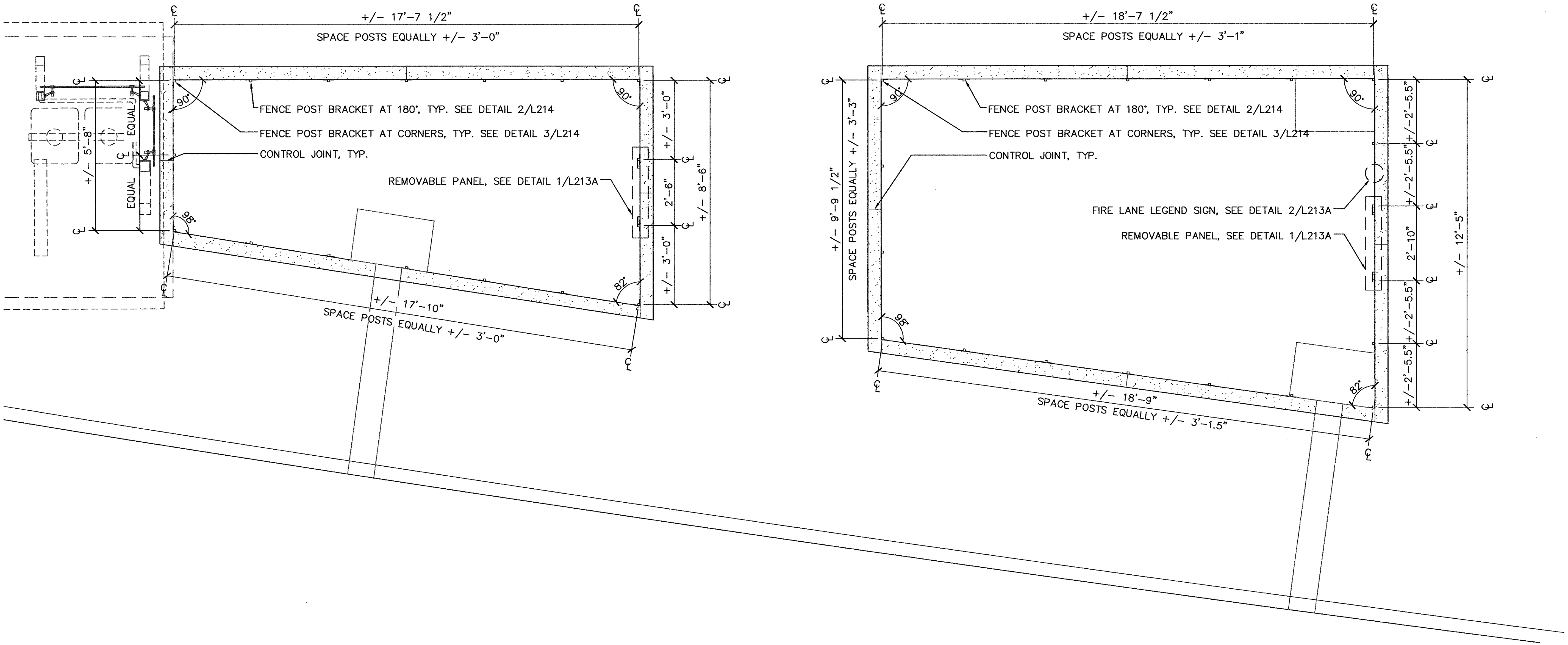
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 6 OF 9

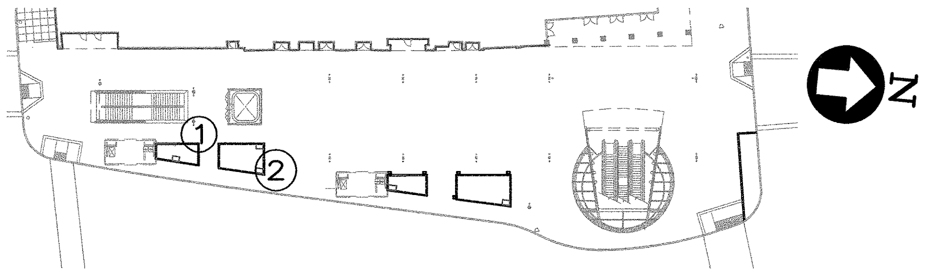
CADD FILENAME DB-L214-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L214
PAGE NO. 175


℄
+/- 17'-7 1/2"
SPACE POSTS EQUALLY +/- 3'-0"
℄
90°
90°
FENCE POST BRACKET AT 180°, TYP. SEE DETAIL 2/L214
FENCE POST BRACKET AT CORNERS, TYP. SEE DETAIL 3/L214
CONTROL JOINT, TYP.
REMOVABLE PANEL, SEE DETAIL 1/L213A
+/- 5'-8"
EQUAL
EQUAL
℄
℄
℄
98°
82°
+/- 3'-0"
2'-6"
+/- 3'-0"
+/- 8'-6"
+/- 17'-10"
SPACE POSTS EQUALLY +/- 3'-0"
℄
℄
+/- 18'-7 1/2"
SPACE POSTS EQUALLY +/- 3'-1"
℄
90°
90°
FENCE POST BRACKET AT 180°, TYP. SEE DETAIL 2/L214
FENCE POST BRACKET AT CORNERS, TYP. SEE DETAIL 3/L214
CONTROL JOINT, TYP.
FIRE LANE LEGEND SIGN, SEE DETAIL 2/L213A
REMOVABLE PANEL, SEE DETAIL 1/L213A
+/- 9'-9 1/2"
SPACE POSTS EQUALLY +/- 3'-3"
+/-2'-5.5"
+/-2'-5.5"
2'-10"
+/-2'-5.5"
+/-2'-5.5"
+/- 12'-5"
98°
82°
+/- 18'-9"
SPACE POSTS EQUALLY +/- 3'-1.5"
℄

POST LOCATIONS AT LOW ARCHITECTURAL RAIL FENCE AT BIORETENTION TREE WELL #1 AND #2

SCALE: 1/2"=1'-0'

1
L215



Katrina Majewski Dec 17, 2015 - 3:21pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L215-A-06ac.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
No. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE

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Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP

SUBMITTED Philip A. Erickson

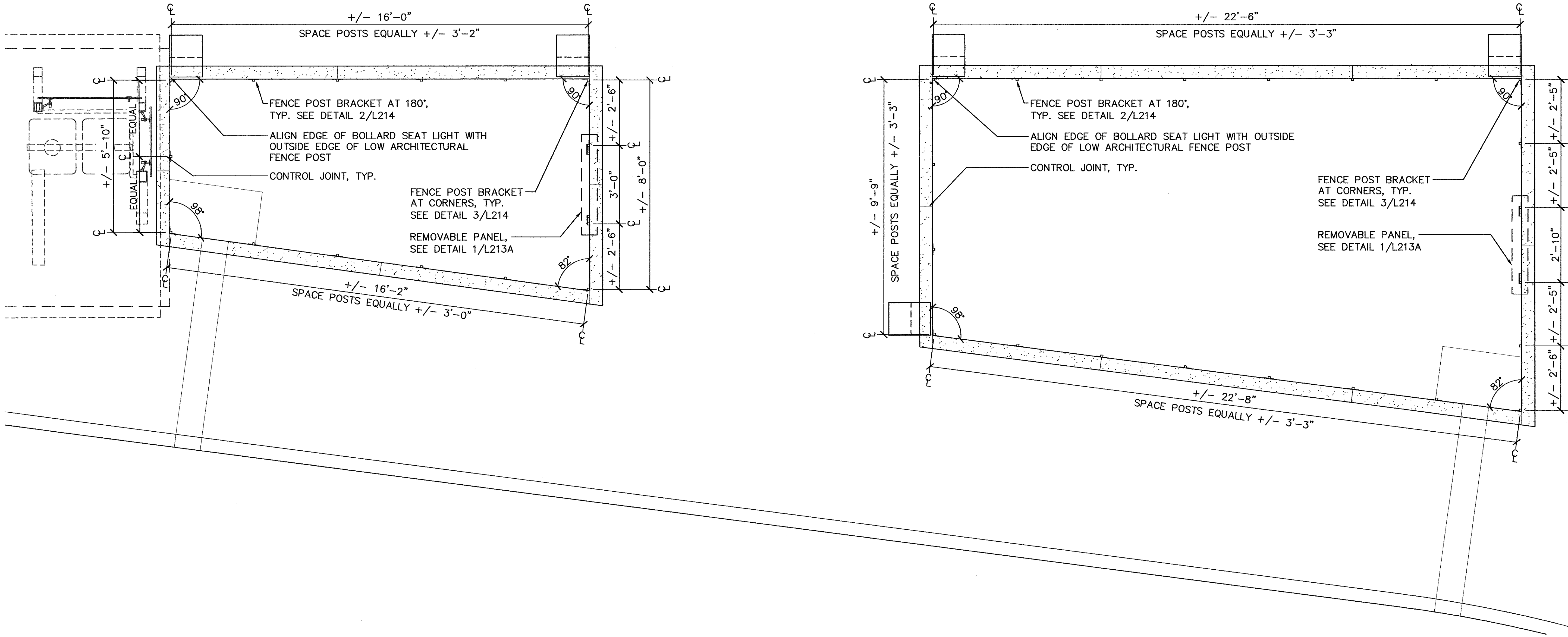
FMG ARCHITECTS

APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 7 of 9

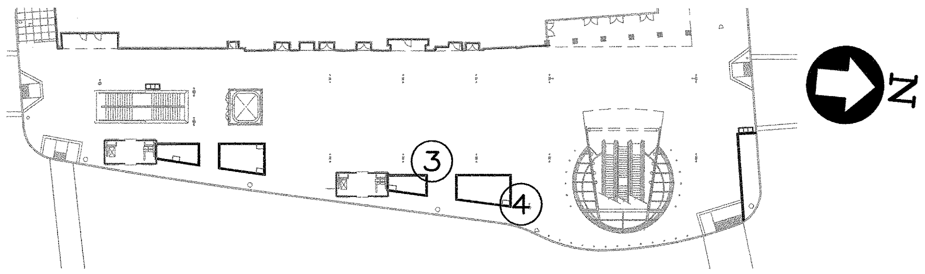
CADD FILENAME DB-L215-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L215
PAGE NO. 176


+/- 16'-0"
SPACE POSTS EQUALLY +/- 3'-2"
FENCE POST BRACKET AT 180°, TYP. SEE DETAIL 2/L214
ALIGN EDGE OF BOLLARD SEAT LIGHT WITH OUTSIDE EDGE OF LOW ARCHITECTURAL FENCE POST
CONTROL JOINT, TYP.
FENCE POST BRACKET AT CORNERS, TYP. SEE DETAIL 3/L214
REMOVABLE PANEL, SEE DETAIL 1/L213A
+/- 5'-10"
EQUAL
EQUAL
90°
90°
98°
82°
+/- 2'-6"
3'-0"
+/- 2'-6"
+/- 8'-0"
+/- 16'-2"
SPACE POSTS EQUALLY +/- 3'-0"
+/- 22'-6"
SPACE POSTS EQUALLY +/- 3'-3"
FENCE POST BRACKET AT 180°, TYP. SEE DETAIL 2/L214
ALIGN EDGE OF BOLLARD SEAT LIGHT WITH OUTSIDE EDGE OF LOW ARCHITECTURAL FENCE POST
CONTROL JOINT, TYP.
FENCE POST BRACKET AT CORNERS, TYP. SEE DETAIL 3/L214
REMOVABLE PANEL, SEE DETAIL 1/L213A
+/- 9'-9"
SPACE POSTS EQUALLY +/- 3'-3"
+/- 2'-5"
+/- 2'-5"
2'-10"
+/- 2'-5"
+/- 2'-6"
+/- 12'-8"
+/- 22'-8"
SPACE POSTS EQUALLY +/- 3'-3"

POST LOCATIONS AT LOW ARCHITECTURAL RAIL FENCE AT BIORETENTION TREE WELL #3 AND #4

SCALE: 1/2"=1'-0"

1
L216



Katrina Majewski Dec 17, 2015 - 3:26pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L216-A-05ac.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 8 of 9

CADD FILENAME: DB-L216-P.dwg
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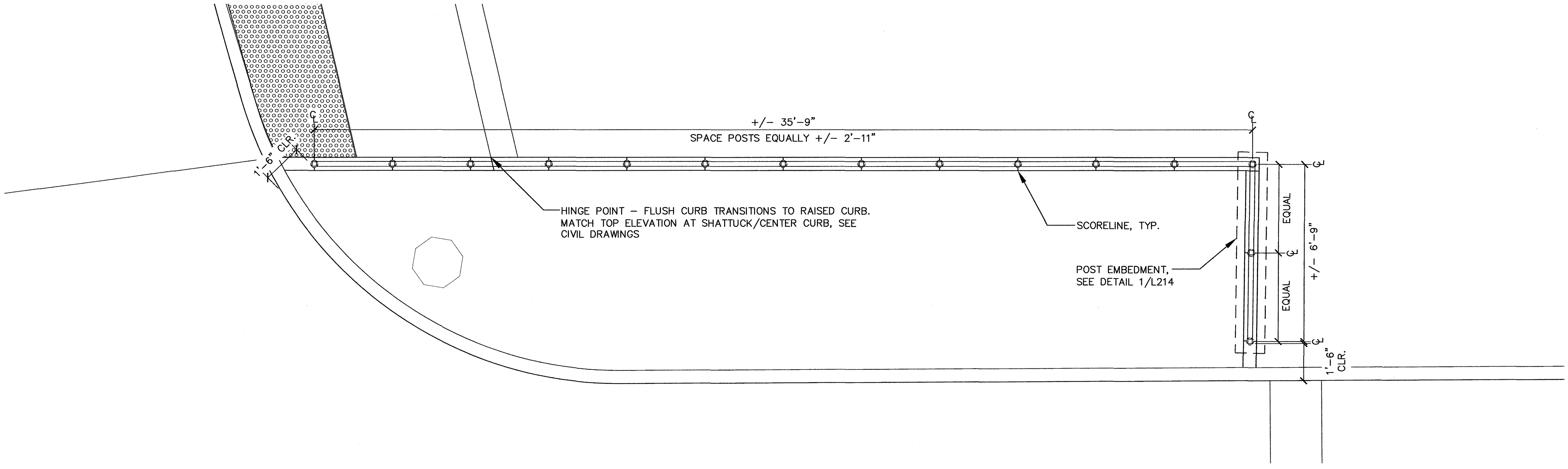
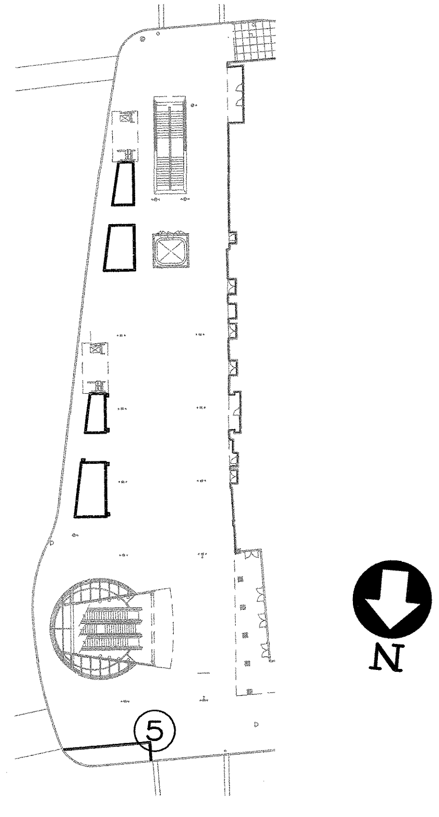
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L216
PAGE NO.: 177


+/- 35'-9"
SPACE POSTS EQUALLY +/- 2'-11"
℄
℄
1'-6" CLR.
HINGE POINT - FLUSH CURB TRANSITIONS TO RAISED CURB. MATCH TOP ELEVATION AT SHATTUCK/CENTER CURB, SEE CIVIL DRAWINGS
SCORELINE, TYP.
POST EMBEDMENT, SEE DETAIL 1/L214
℄
EQUAL
℄
EQUAL
℄
+/- 6'-9"
1'-6" CLR.

POST LOCATIONS AT LOW ARCHITECTURAL RAIL FENCE AT CENTER STREET PLANTER #5

SCALE: 1/2"=1'-0"

1
L217



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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
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DATE: 20151015

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SUBMITTED Philip A. Erickson

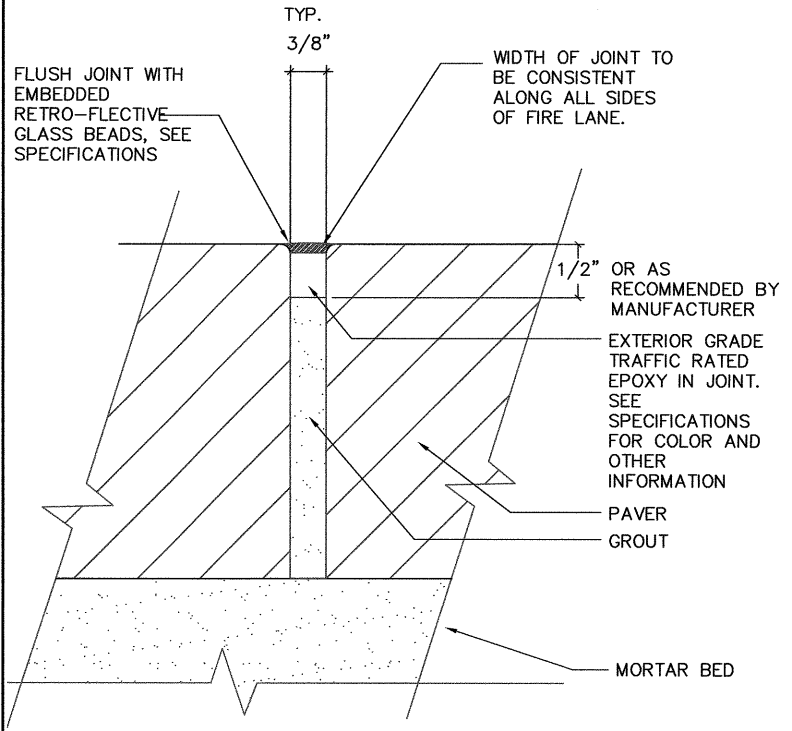
FMG ARCHITECTS

APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

SITE FURNISHING DETAILS
SHEET 9 of 9

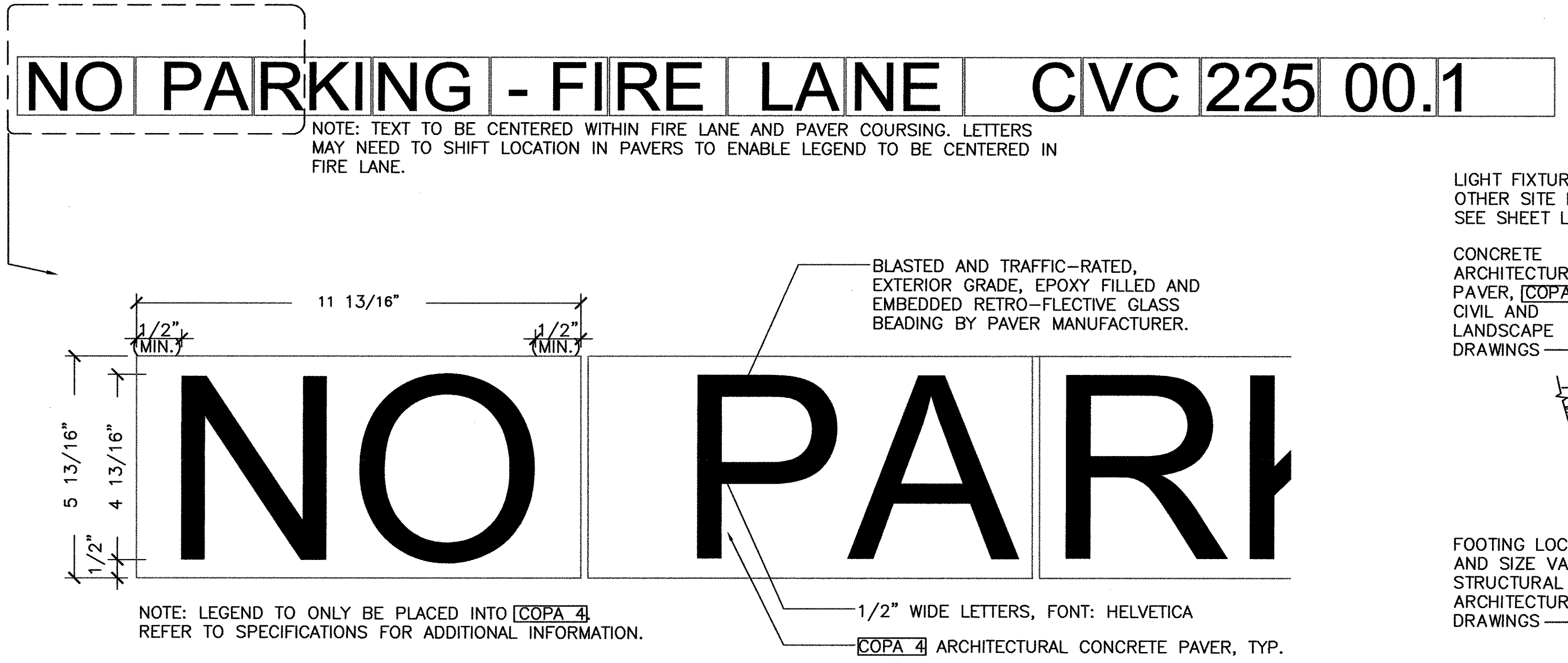
CADD FILENAME DB-L217-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L217
PAGE NO. 178


TYP.
3/8"
FLUSH JOINT WITH EMBEDDED RETRO-FLECTIVE GLASS BEADS, SEE SPECIFICATIONS
WIDTH OF JOINT TO BE CONSISTENT ALONG ALL SIDES OF FIRE LANE.
1/2" OR AS RECOMMENDED BY MANUFACTURER
EXTERIOR GRADE TRAFFIC RATED EPOXY IN JOINT. SEE SPECIFICATIONS FOR COLOR AND OTHER INFORMATION
PAVER
GROUT
MORTAR BED

FIRE LANE BOUNDARY SECTION

SCALE: FULL SIZE

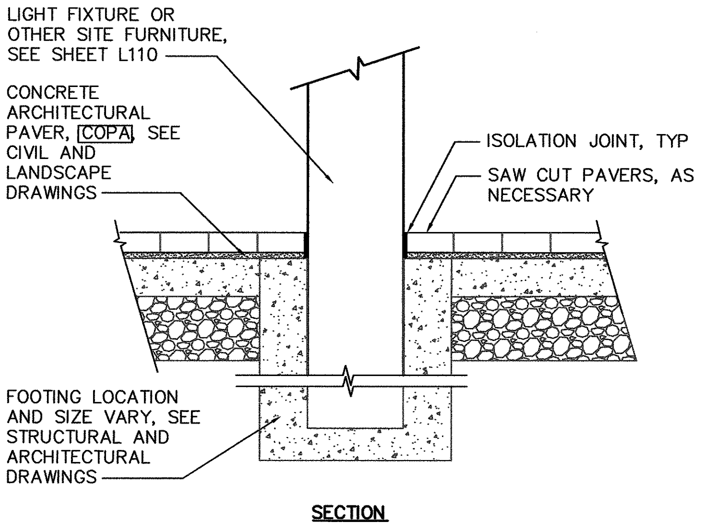
1 L220 L116


NO PARKING - FIRE LANE CVC 22500.1
NOTE: TEXT TO BE CENTERED WITHIN FIRE LANE AND PAVER COURSING. LETTERS MAY NEED TO SHIFT LOCATION IN PAVERS TO ENABLE LEGEND TO BE CENTERED IN FIRE LANE.
11 13/16"
1/2" (MIN.)
1/2" (MIN.)
5 13/16"
4 13/16"
1/2"
1/2"
NO PARK
BLASTED AND TRAFFIC-RATED, EXTERIOR GRADE, EPOXY FILLED AND EMBEDDED RETRO-FLECTIVE GLASS BEADING BY PAVER MANUFACTURER.
1/2" WIDE LETTERS, FONT: HELVETICA
COPA 4 ARCHITECTURAL CONCRETE PAVER, TYP.
NOTE: LEGEND TO ONLY BE PLACED INTO COPA 4. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

FIRE LANE LEGEND

SCALE: NTS

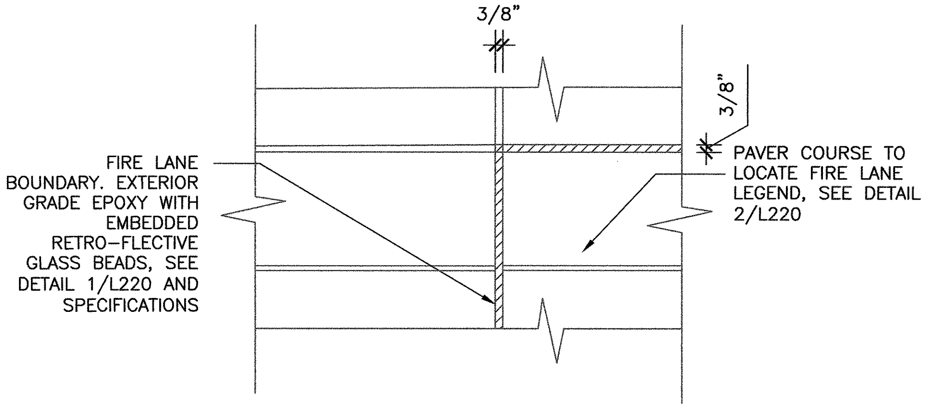
2 L220 L116


LIGHT FIXTURE OR OTHER SITE FURNITURE, SEE SHEET L110
CONCRETE ARCHITECTURAL PAVER, COPA, SEE CIVIL AND LANDSCAPE DRAWINGS
ISOLATION JOINT, TYP
SAW CUT PAVERS, AS NECESSARY
FOOTING LOCATION AND SIZE VARY, SEE STRUCTURAL AND ARCHITECTURAL DRAWINGS
SECTION

PAVERS AT SITE FURNISHINGS

SCALE: 1"=1'-0"

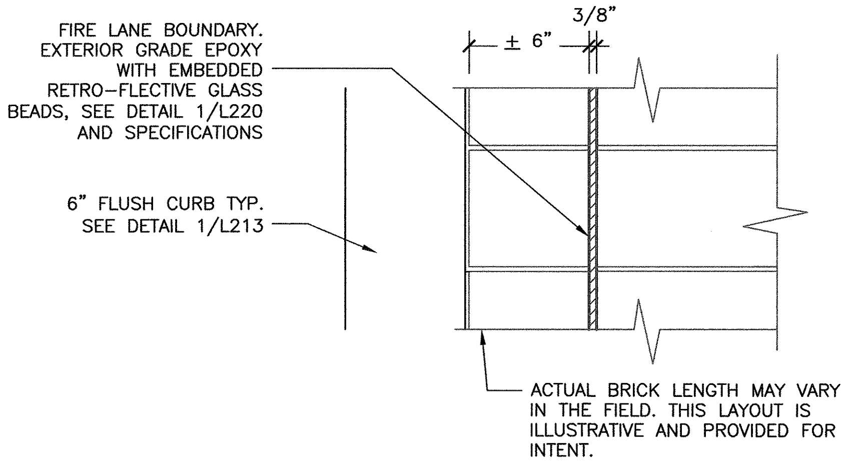
3 L220 L113 L114 L117


3/8"
3/8"
FIRE LANE BOUNDARY. EXTERIOR GRADE EPOXY WITH EMBEDDED RETRO-FLECTIVE GLASS BEADS, SEE DETAIL 1/L220 AND SPECIFICATIONS
PAVER COURSE TO LOCATE FIRE LANE LEGEND, SEE DETAIL 2/L220

FIRE LANE BOUNDARY AT CORNER CONDTION

SCALE: NTS

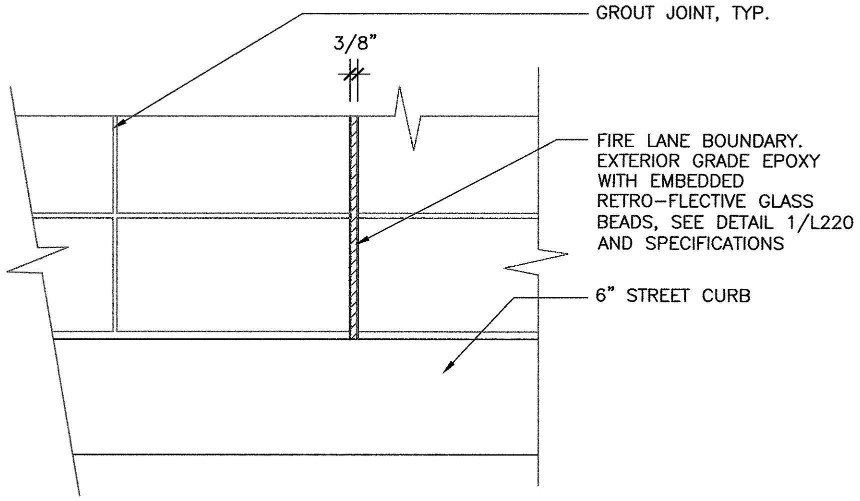
4 L220 L116


FIRE LANE BOUNDARY. EXTERIOR GRADE EPOXY WITH EMBEDDED RETRO-FLECTIVE GLASS BEADS, SEE DETAIL 1/L220 AND SPECIFICATIONS
± 6"
3/8"
6" FLUSH CURB TYP. SEE DETAIL 1/L213
ACTUAL BRICK LENGTH MAY VARY IN THE FIELD. THIS LAYOUT IS ILLUSTRATIVE AND PROVIDED FOR INTENT.

FIRE LANE BOUNDARY ALONG BIORETENTION PLANTER

SCALE: NTS

5 L220 L116


GROUT JOINT, TYP.
3/8"
FIRE LANE BOUNDARY. EXTERIOR GRADE EPOXY WITH EMBEDDED RETRO-FLECTIVE GLASS BEADS, SEE DETAIL 1/L220 AND SPECIFICATIONS
6" STREET CURB

FIRE LANE BOUNDARY TERMINATION AT STREET CURB

SCALE: NTS

6 L220 L116

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Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erickson

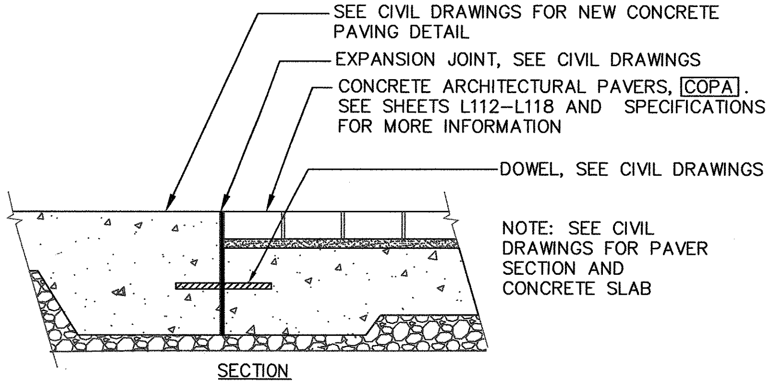
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

HARDSCAPE DETAILS
SHEET 1 OF 4

CADD FILENAME DB-L220-P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L220
PAGE NO. 179

Katrina Majewski Dec 17, 2015 - 3:32pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L220-A-13km.dwg

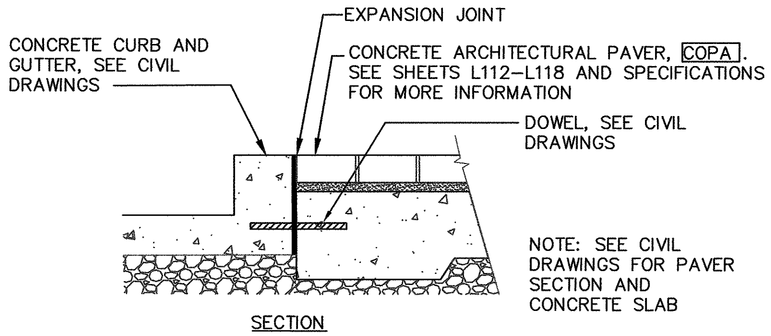

SEE CIVIL DRAWINGS FOR NEW CONCRETE PAVING DETAIL
EXPANSION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVERS, COPA. SEE SHEETS L112–L118 AND SPECIFICATIONS FOR MORE INFORMATION
DOWEL, SEE CIVIL DRAWINGS
NOTE: SEE CIVIL DRAWINGS FOR PAVER SECTION AND CONCRETE SLAB
SECTION

PAVER AND CONCRETE EDGE DETAIL

SCALE: 1 1/2 "=1'–0"

1 L221

L112 L116
L113 L117
L114 L118
L115

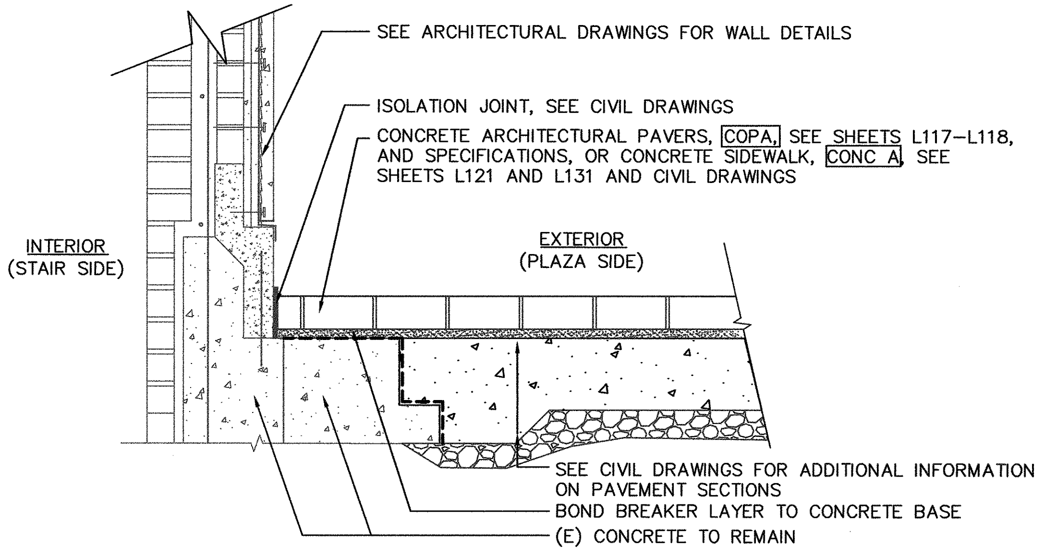

EXPANSION JOINT
CONCRETE CURB AND GUTTER, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVER, COPA. SEE SHEETS L112–L118 AND SPECIFICATIONS FOR MORE INFORMATION
DOWEL, SEE CIVIL DRAWINGS
NOTE: SEE CIVIL DRAWINGS FOR PAVER SECTION AND CONCRETE SLAB
SECTION

PAVER AT STREET CURB DETAIL

SCALE: 1 1/2 "=1'–0"

2 L221

L112 L116
L113 L117
L114 L118
L115

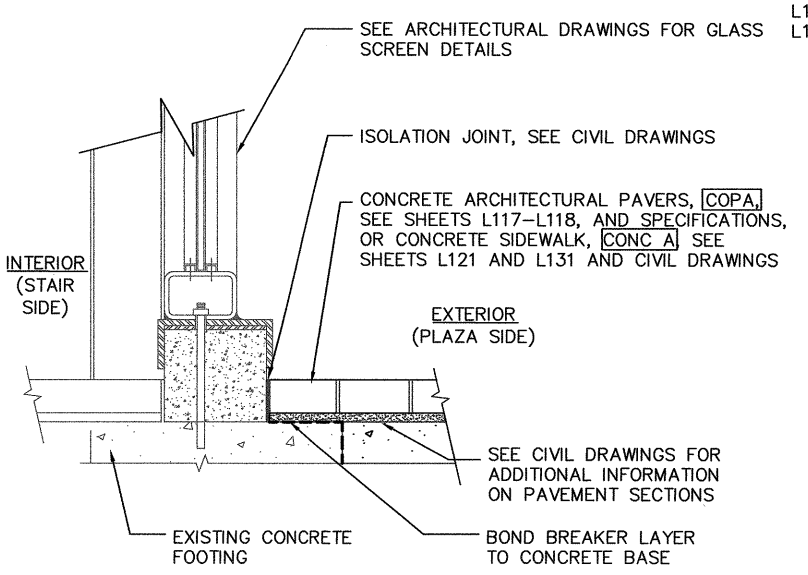

SEE ARCHITECTURAL DRAWINGS FOR WALL DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVERS, COPA, SEE SHEETS L117–L118, AND SPECIFICATIONS, OR CONCRETE SIDEWALK, CONC A, SEE SHEETS L121 AND L131 AND CIVIL DRAWINGS
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS
BOND BREAKER LAYER TO CONCRETE BASE
(E) CONCRETE TO REMAIN

PAVEMENT AT ENTRANCES 1, 2, 5 AND 6 PARAPET

SCALE: 1 1/2"=1'–0"

3 L221

L117

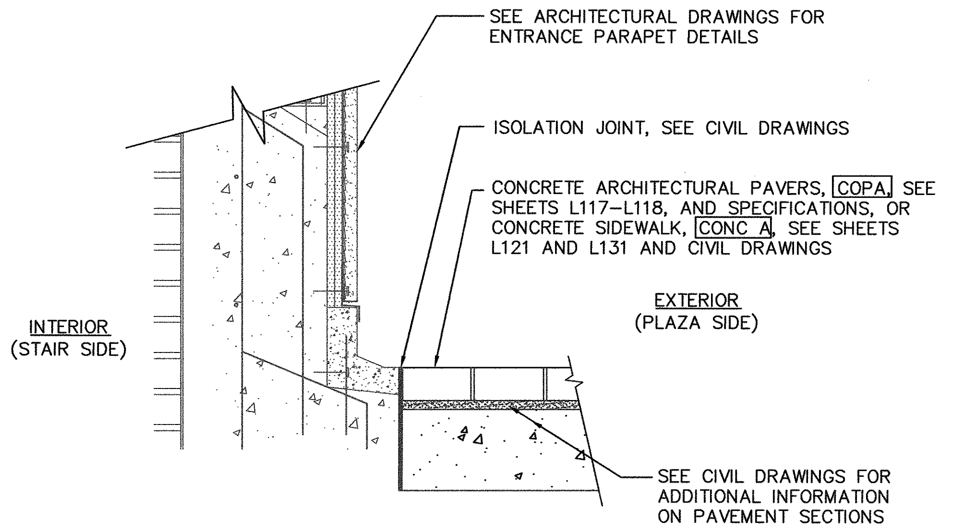

SEE ARCHITECTURAL DRAWINGS FOR GLASS SCREEN DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVERS, COPA, SEE SHEETS L117–L118, AND SPECIFICATIONS, OR CONCRETE SIDEWALK, CONC A, SEE SHEETS L121 AND L131 AND CIVIL DRAWINGS
INTERIOR (STAIR SIDE)
EXTERIOR (PLAZA SIDE)
SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS
EXISTING CONCRETE FOOTING
BOND BREAKER LAYER TO CONCRETE BASE

PAVEMENT AT ENTRANCES 1, 2, 5 AND 6 GLASS SCREEN #2

SCALE: 1 1/2"=1'–0"

4 L221

L117

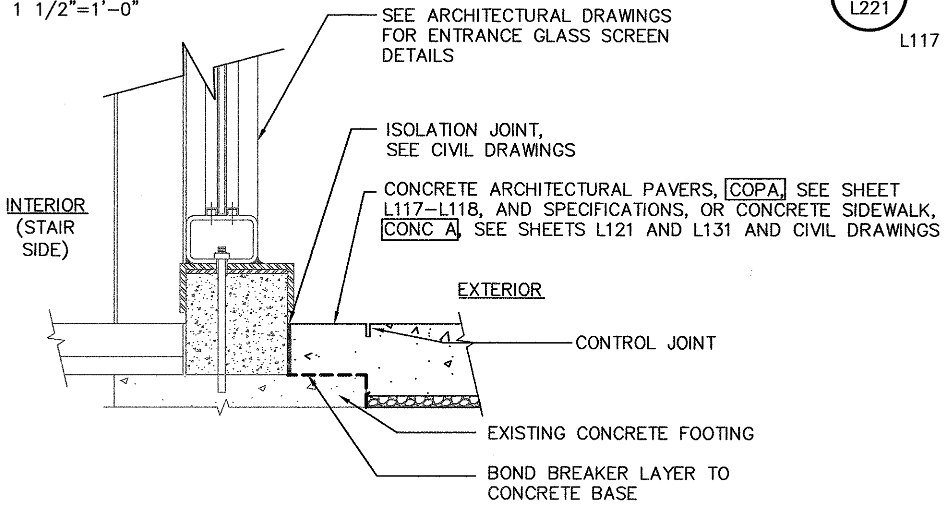

SEE ARCHITECTURAL DRAWINGS FOR ENTRANCE PARAPET DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVERS, COPA, SEE SHEETS L117–L118, AND SPECIFICATIONS, OR CONCRETE SIDEWALK, CONC A, SEE SHEETS L121 AND L131 AND CIVIL DRAWINGS
EXTERIOR (PLAZA SIDE)
INTERIOR (STAIR SIDE)
SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON PAVEMENT SECTIONS

PAVEMENT AT ENTRANCES 1, 2, 5 AND 6 AT PARAPET

SCALE: 1 1/2"=1'–0"

5 L221

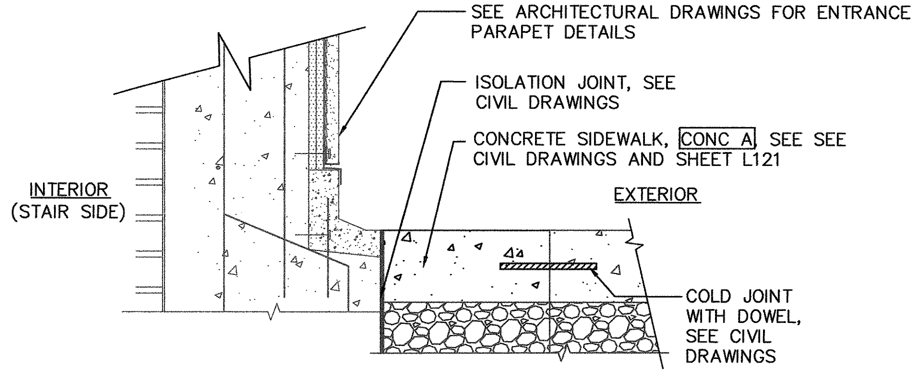
L117


SEE ARCHITECTURAL DRAWINGS FOR ENTRANCE GLASS SCREEN DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVERS, COPA, SEE SHEET L117–L118, AND SPECIFICATIONS, OR CONCRETE SIDEWALK, CONC A, SEE SHEETS L121 AND L131 AND CIVIL DRAWINGS
INTERIOR (STAIR SIDE)
EXTERIOR
CONTROL JOINT
EXISTING CONCRETE FOOTING
BOND BREAKER LAYER TO CONCRETE BASE

PAVEMENT AT ENTRANCE 1, 2, 5 AND 6 GLASS SCREEN #1

SCALE: 1 1/2"=1'–0"

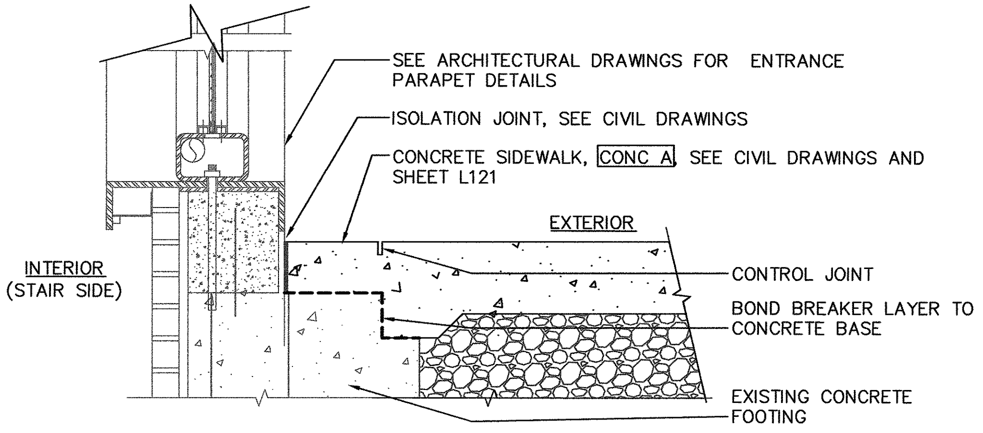
6 L221


SEE ARCHITECTURAL DRAWINGS FOR ENTRANCE PARAPET DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE SIDEWALK, CONC A, SEE SEE CIVIL DRAWINGS AND SHEET L121
EXTERIOR
INTERIOR (STAIR SIDE)
COLD JOINT WITH DOWEL, SEE CIVIL DRAWINGS

CONCRETE AT ENTRANCE 4 PARAPET

SCALE: 1 1/2"=1'–0"

7 L221


SEE ARCHITECTURAL DRAWINGS FOR ENTRANCE PARAPET DETAILS
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE SIDEWALK, CONC A, SEE CIVIL DRAWINGS AND SHEET L121
EXTERIOR
INTERIOR (STAIR SIDE)
CONTROL JOINT
BOND BREAKER LAYER TO CONCRETE BASE
EXISTING CONCRETE FOOTING

CONCRETE AT GLASS ROOF AND GLASS AT PARAPET CONDITIONS AT ENTRANCE 4

SCALE: 1 1/2"=1'–0"

8 L221

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SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

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ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

HARDSCAPE DETAILS
SHEET 2 OF 4

CADD FILENAME DB–L221–P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L221
PAGE NO. 180

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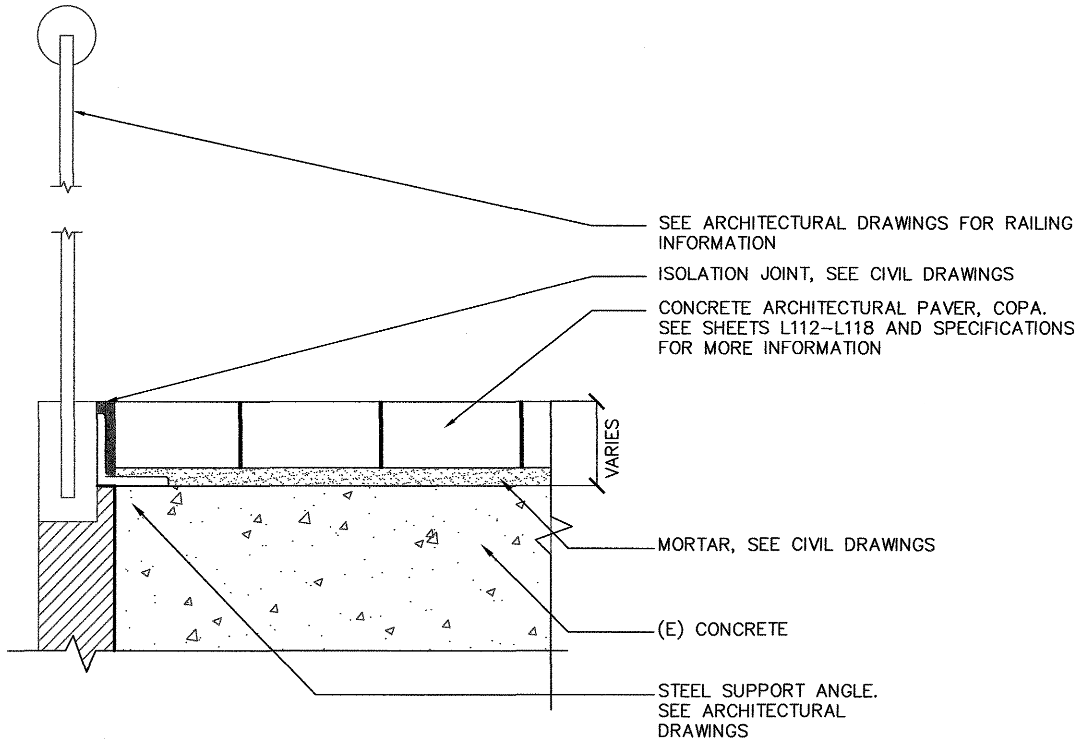
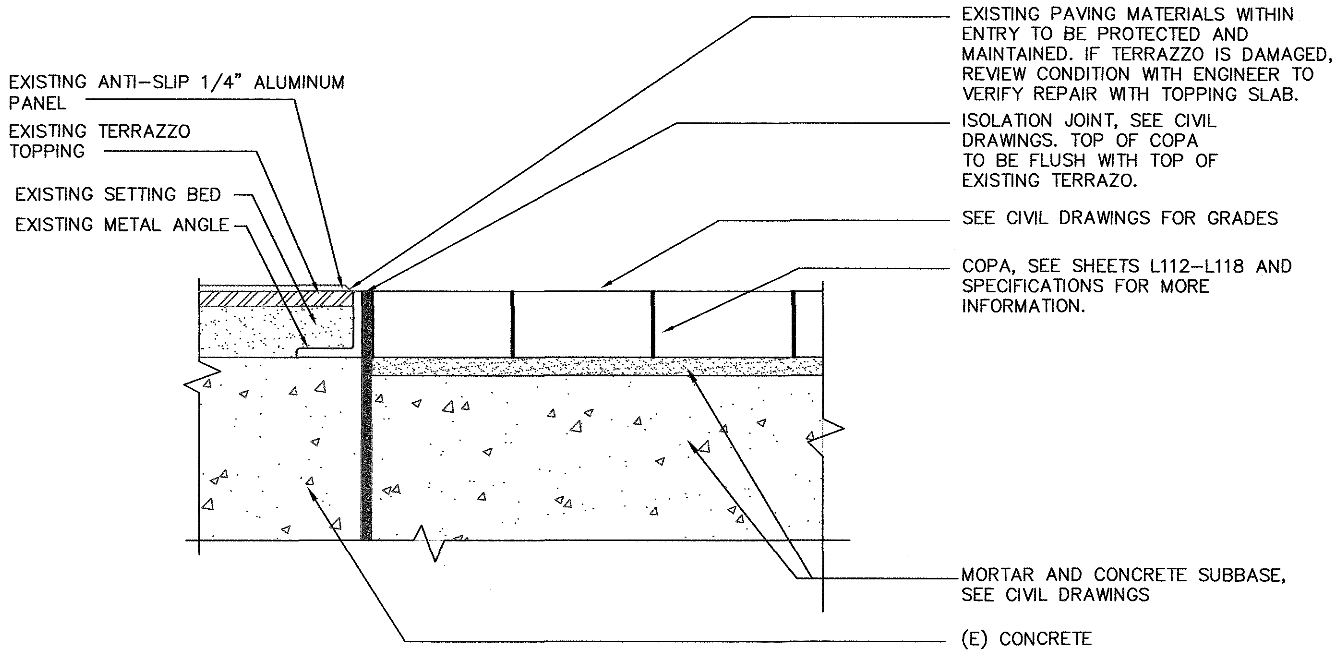
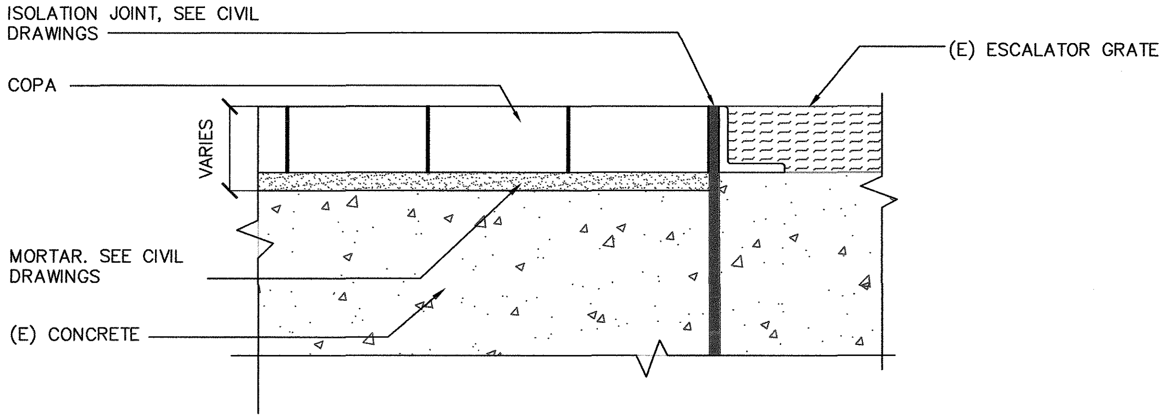

SEE ARCHITECTURAL DRAWINGS FOR RAILING INFORMATION
ISOLATION JOINT, SEE CIVIL DRAWINGS
CONCRETE ARCHITECTURAL PAVER, COPA. SEE SHEETS L112-L118 AND SPECIFICATIONS FOR MORE INFORMATION
VARIES
MORTAR, SEE CIVIL DRAWINGS
(E) CONCRETE
STEEL SUPPORT ANGLE. SEE ARCHITECTURAL DRAWINGS

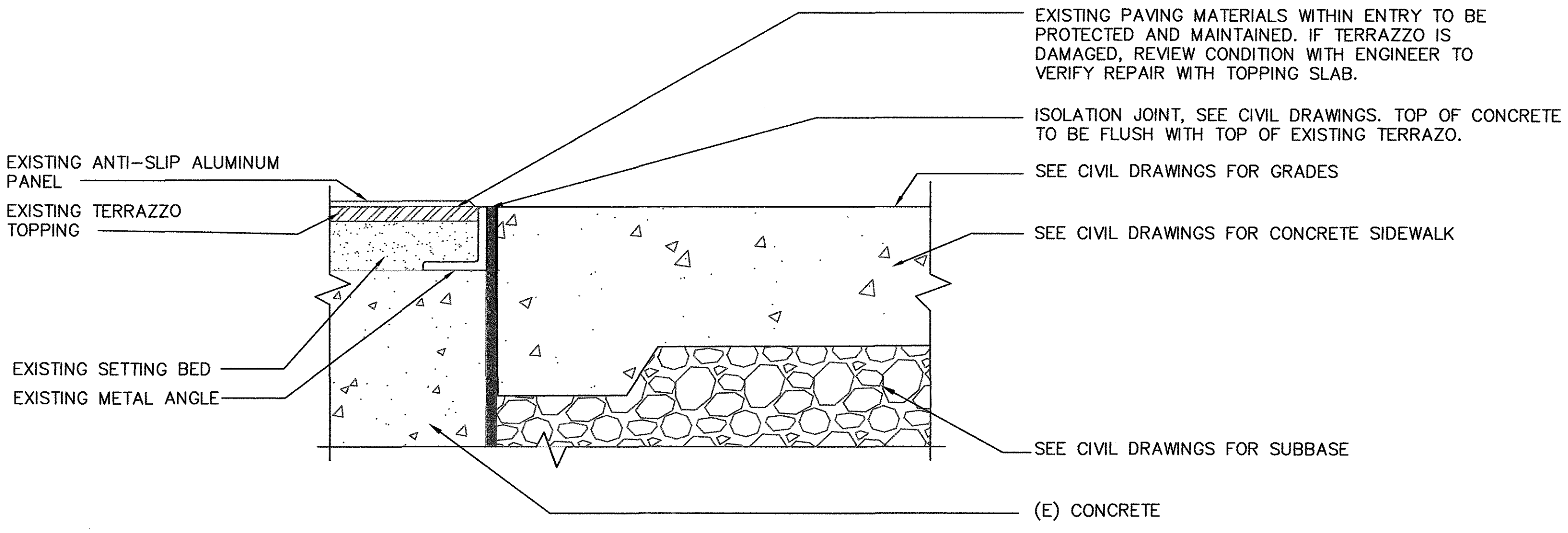
COPA AT ENTRANCE 3 HANDRAIL
SCALE: 3"=1'-0"
1
L222
L114


EXISTING ANTI-SLIP 1/4" ALUMINUM PANEL
EXISTING TERRAZZO TOPPING
EXISTING SETTING BED
EXISTING METAL ANGLE
EXISTING PAVING MATERIALS WITHIN ENTRY TO BE PROTECTED AND MAINTAINED. IF TERRAZZO IS DAMAGED, REVIEW CONDITION WITH ENGINEER TO VERIFY REPAIR WITH TOPPING SLAB.
ISOLATION JOINT, SEE CIVIL DRAWINGS. TOP OF COPA TO BE FLUSH WITH TOP OF EXISTING TERRAZO.
SEE CIVIL DRAWINGS FOR GRADES
COPA, SEE SHEETS L112-L118 AND SPECIFICATIONS FOR MORE INFORMATION.
MORTAR AND CONCRETE SUBBASE, SEE CIVIL DRAWINGS
(E) CONCRETE

COPA AT TERRAZZO AT ENTRANCE 1
SCALE: 1 1/2"=1'-0"
2
L222
L118


ISOLATION JOINT, SEE CIVIL DRAWINGS
COPA
(E) ESCALATOR GRATE
VARIES
MORTAR. SEE CIVIL DRAWINGS
(E) CONCRETE

COPA AT ESCALATOR GRATE
SCALE: 3"=1'-0"
3
L222
L114


EXISTING PAVING MATERIALS WITHIN ENTRY TO BE PROTECTED AND MAINTAINED. IF TERRAZZO IS DAMAGED, REVIEW CONDITION WITH ENGINEER TO VERIFY REPAIR WITH TOPPING SLAB.
ISOLATION JOINT, SEE CIVIL DRAWINGS. TOP OF CONCRETE TO BE FLUSH WITH TOP OF EXISTING TERRAZZO.
EXISTING ANTI-SLIP ALUMINUM PANEL
EXISTING TERRAZZO TOPPING
SEE CIVIL DRAWINGS FOR GRADES
SEE CIVIL DRAWINGS FOR CONCRETE SIDEWALK
EXISTING SETTING BED
EXISTING METAL ANGLE
SEE CIVIL DRAWINGS FOR SUBBASE
(E) CONCRETE

CONCRETE AT TERRAZZO AT ENTRANCES 2, 4, 5, AND 6
SCALE: 1 1/2"=1'-0"
4
L222
L121
L131

Katrina Majewski Dec 17, 2015 - 3:38pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L222-A-04km.dwg

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LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23080
REN. 8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
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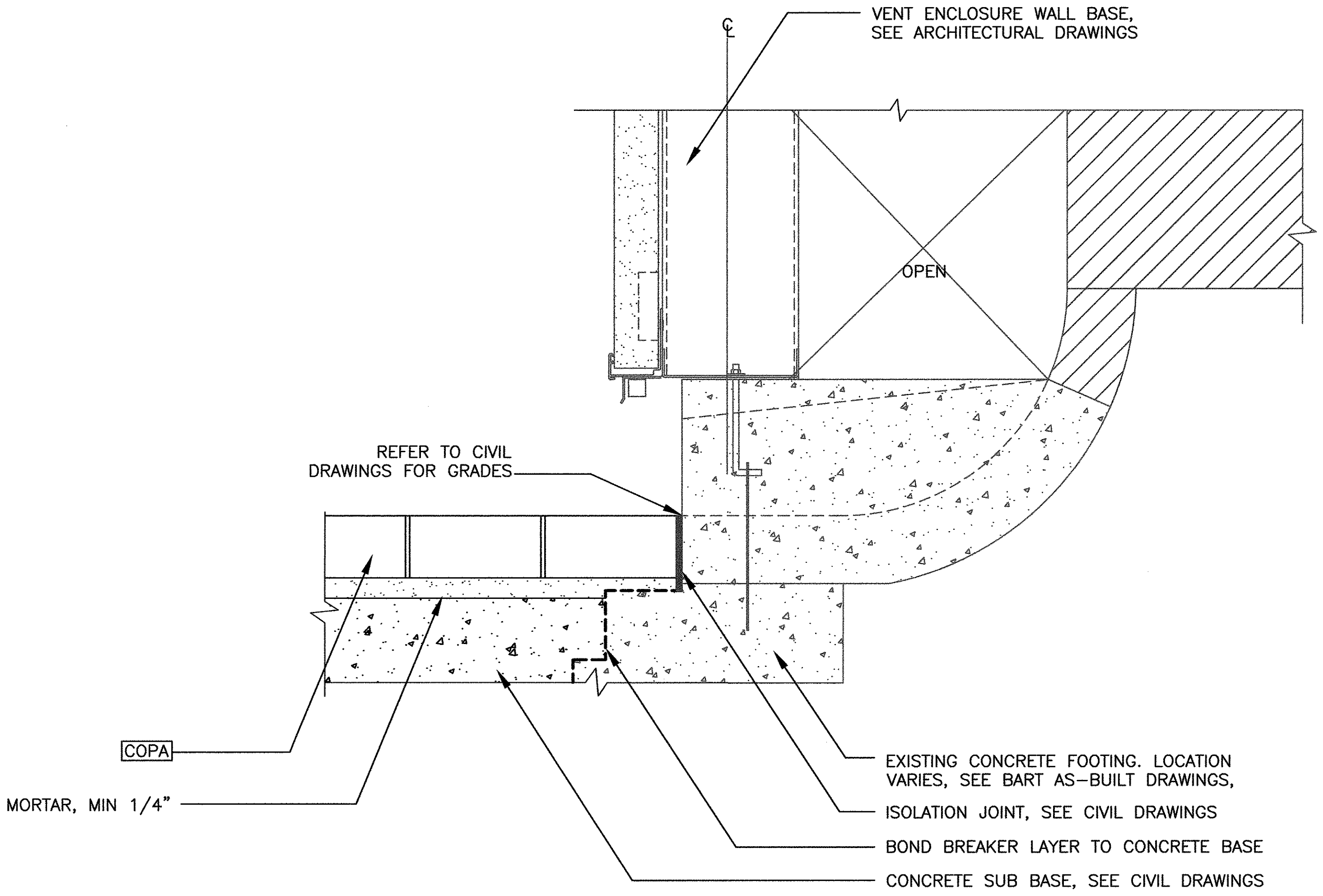
SUBMITTED Philip A. Erickson

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

HARDSCAPE DETAILS
SHEET 3 OF 4

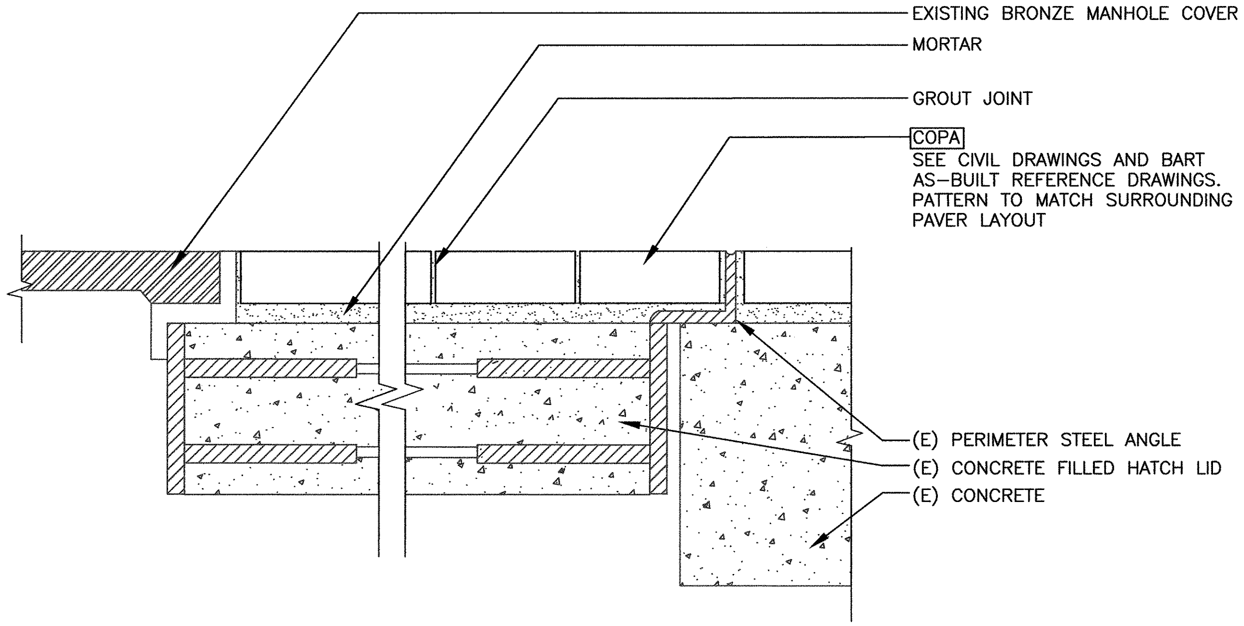
CADD FILENAME DB-L222-P.dwg
SIZE: D
SCALE 1 1/2"=1'-0"
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L222
PAGE NO. 181


℄
VENT ENCLOSURE WALL BASE, SEE ARCHITECTURAL DRAWINGS
OPEN
REFER TO CIVIL DRAWINGS FOR GRADES
COPA
MORTAR, MIN 1/4"
EXISTING CONCRETE FOOTING. LOCATION VARIES, SEE BART AS-BUILT DRAWINGS,
ISOLATION JOINT, SEE CIVIL DRAWINGS
BOND BREAKER LAYER TO CONCRETE BASE
CONCRETE SUB BASE, SEE CIVIL DRAWINGS

COPA AT VENT WALL BASE

SCALE: 3"=1'-0"

1
L222A


EXISTING BRONZE MANHOLE COVER
MORTAR
GROUT JOINT
COPA
SEE CIVIL DRAWINGS AND BART AS-BUILT REFERENCE DRAWINGS. PATTERN TO MATCH SURROUNDING PAVER LAYOUT
(E) PERIMETER STEEL ANGLE
(E) CONCRETE FILLED HATCH LID
(E) CONCRETE

COPA AT REMOVABLE ESCALATOR HATCH COVER

SCALE: 3"=1'-0"

2
L222A

Katrina Majewski Dec 17, 2015 - 3:40pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L222A-A-06ac.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
P.ERICKSON
DRAWN:
K.MAJEWSKI
CHECKED:
C.GOLDADE
APPROVED:
P.ERICKSON
DATE:
20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE

COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP

SUBMITTED

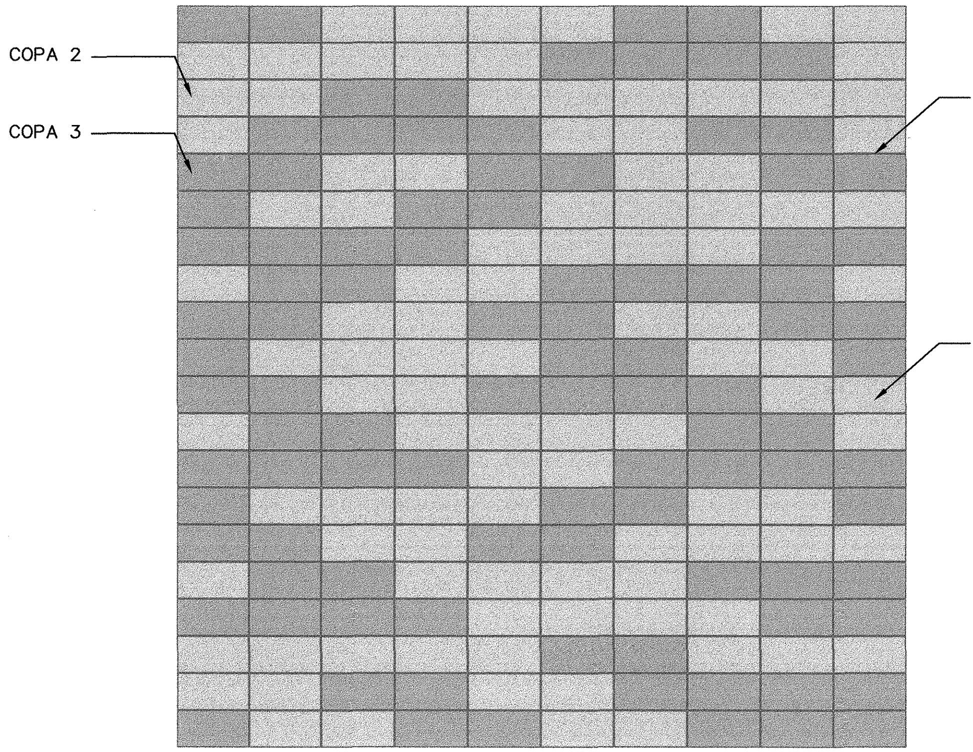
FMG ARCHITECTS

APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

HARDSCAPE DETAILS
SHEET 4 OF 4

CADD FILENAME
DB-L222A-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: **05EA-110**
REV.: **P**
CONTRACT SHEET NO.: **L222A**
PAGE NO.: **182**



1/4" GROUT JOINT, TYP. MIN 3/16" AND MAX 3/8" GROUT JOINT AS NEEDED TO SMOOTHLY TRANSITION AND SPREAD PAVERS ACROSS DESIGNATED AREAS IDENTIFIED ON PLANS. JOINT WIDTH TO BE CONSISTENT ALONG CONTINUOUS JOINTS.

COPA SIZE 5 13/16" X 11 13/16" X 2 3/4". SEE SHEETS L112–L118 AND SPECIFICATIONS FOR FURTHER INFORMATION

MIX RATIO

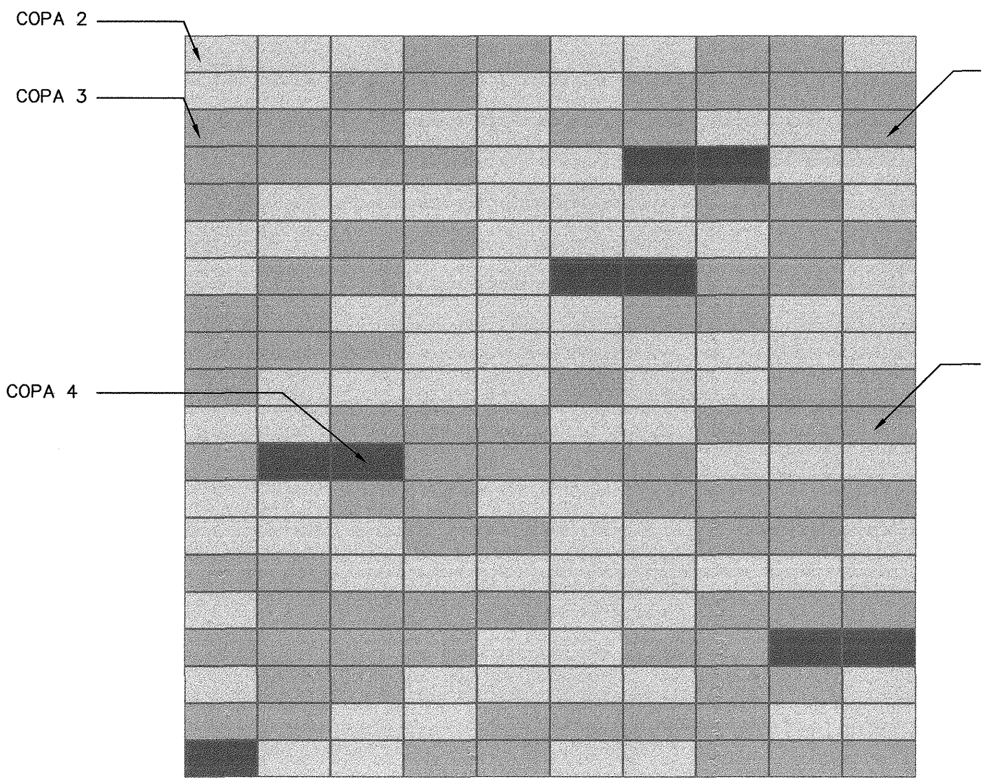
COPA 2 – 52%
COPA 3 – 48%

ARCHITECTURAL CONCRETE PAVER PATTERN SCHEDULE – COPA A

1
L223

SCALE: 3/4" = 1'-0"

L112 L115
L113 L116
L114 L117
L118



1/4" GROUT JOINT, TYP. MIN 3/16" AND MAX 3/8" GROUT JOINT AS NEEDED TO SMOOTHLY TRANSITION AND SPREAD PAVERS ACROSS DESIGNATED AREAS IDENTIFIED ON PLANS. JOINT WIDTH TO BE CONSISTENT ALONG CONTINUOUS JOINTS.

COPA SIZE 5 13/16" X 11 13/16" X 2 3/4". SEE SHEETS L112–L118 AND SPECIFICATIONS FOR FURTHER INFORMATION

MIX RATIO

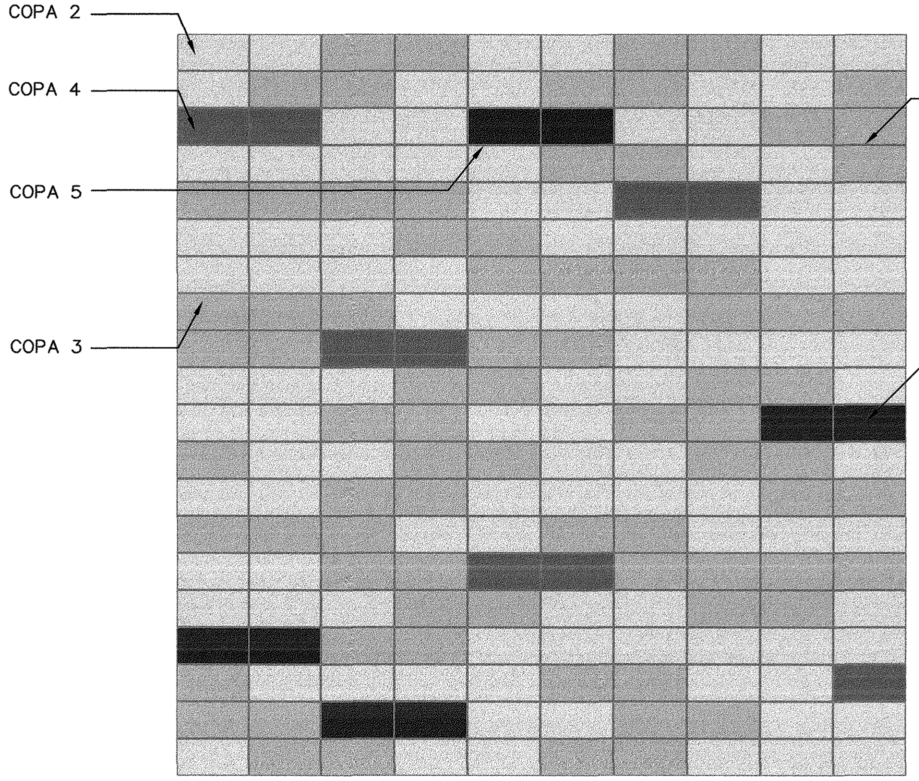
COPA 2 – 48%
COPA 3 – 44%
COPA 4 – 8%

ARCHITECTURAL CONCRETE PAVER PATTERN SCHEDULE – COPA B

2
L223

SCALE: 3/4" = 1'-0"

L112 L115
L113 L116
L114 L117



1/4" GROUT JOINT, TYP. MIN 3/16" AND MAX 3/8" GROUT JOINT AS NEEDED TO SMOOTHLY TRANSITION AND SPREAD PAVERS ACROSS DESIGNATED AREAS IDENTIFIED ON PLANS. JOINT WIDTH TO BE CONSISTENT ALONG CONTINUOUS JOINTS.

COPA SIZE 5 13/16" X 11 13/16" X 2 3/4". SEE SHEETS L112–L118 AND SPECIFICATIONS FOR FURTHER INFORMATION

MIX RATIO

COPA 2 – 44%
COPA 3 – 40%
COPA 4 – 8%
COPA 5 – 8%

ARCHITECTURAL CONCRETE PAVER PATTERN SCHEDULE – COPA C

3
L223

SCALE: 3/4" = 1'-0"

L112 L115
L113 L116
L114 L117
L118

NOTE: SAW CUT PAVERS AS NEEDED TO FIT AREA AND SITE CONSTRAINTS.

INTENT OF COPA LAYOUT:

1. PAVERS SHALL BE PLACED IN RANDOM PATTERN ACROSS PLAZA, AND PATTERN SHOULD NOT REPEAT.
2. TWO PAVERS OF THE SAME COLOR SHALL BE PLACED ADJACENT TO EACH OTHER TO APPEAR AS A "PLANK". EACH "PLANK" SHALL ALTERNATE BY ONE PAVER IN THE EAST–WEST DIRECTION.
3. COPA 4 AND COPA 5 SHALL NOT BE ADJACENT TO EACH OTHER.

Ashley Dec 17, 2015 - 4:18pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L223-A-06ac.dwg

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
A	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
P.ERICKSON
DRAWN:
K.MAJEWSKI
CHECKED:
C.GOLDADE
APPROVED:
P.ERICKSON
DATE:
20151015

PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

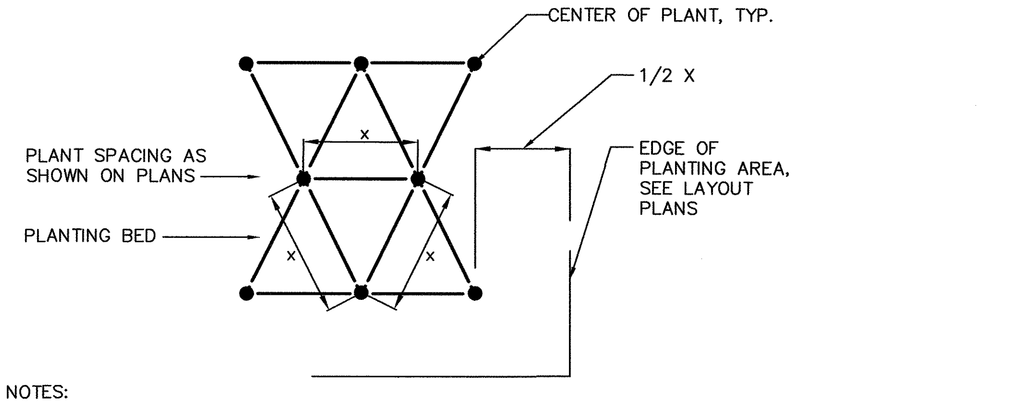
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

COPA PAVER PATTERN SCHEDULES

CADD FILENAME
DB–L223–P.dwg
SIZE: D
SCALE: AS SHOWN
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L223
PAGE NO. 183

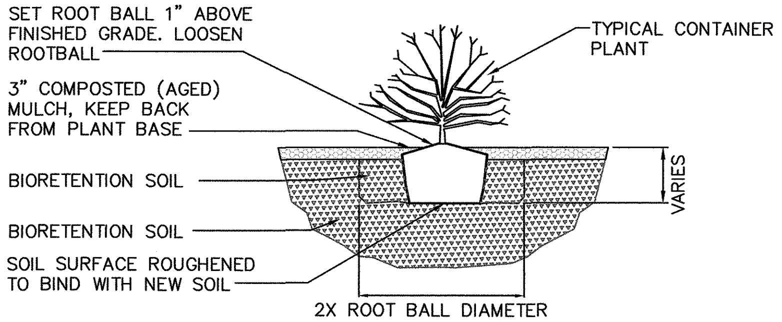

CENTER OF PLANT, TYP.
1/2 X
PLANT SPACING AS SHOWN ON PLANS
EDGE OF PLANTING AREA, SEE LAYOUT PLANS
PLANTING BED
x
x
x

NOTES:
1. X = SPACING DIMENSION LISTED IN PLANTING PLANS.
2. PLANTS TO BE ARRANGED IN EQUILATERAL TRIANGULAR PATTERN.
3. PLANT SETBACK VARIES. PLANTS AT MATURITY ARE NOT TO OVERHANG CURB, SIDEWALKS OR PLAZA.
4. ROWS TO BE PARALLEL TO ADJACENT PAVING OR CURB.
5. IN SOME AREAS PLANTS MAY NEED TO BE LOCATED CLOSER TOGETHER TO FILL IN NARROW SECTIONS IN PLANTING BEDS.

TRIANGULAR PLANT SPACING

SCALE: NTS

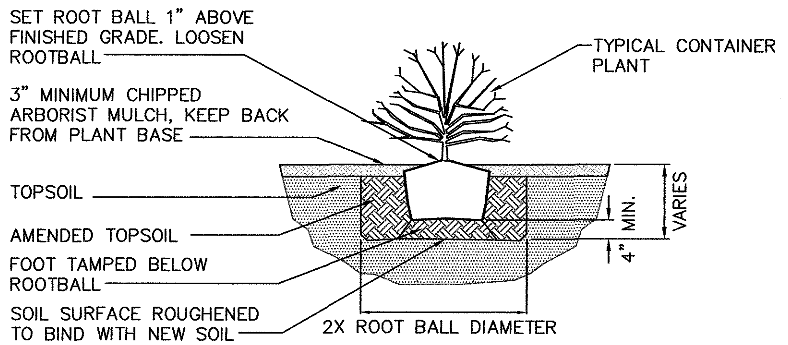
1 L230 L119


SET ROOT BALL 1" ABOVE FINISHED GRADE. LOOSEN ROOTBALL
TYPICAL CONTAINER PLANT
3" COMPOSTED (AGED) MULCH, KEEP BACK FROM PLANT BASE
BIORETENTION SOIL
BIORETENTION SOIL
SOIL SURFACE ROUGHENED TO BIND WITH NEW SOIL
VARIES
2X ROOT BALL DIAMETER

GRASS, PERENNIAL AND SHRUB PLANTING IN BIORETENTION TREE WELL

SCALE: 1/2" = 1'-0"

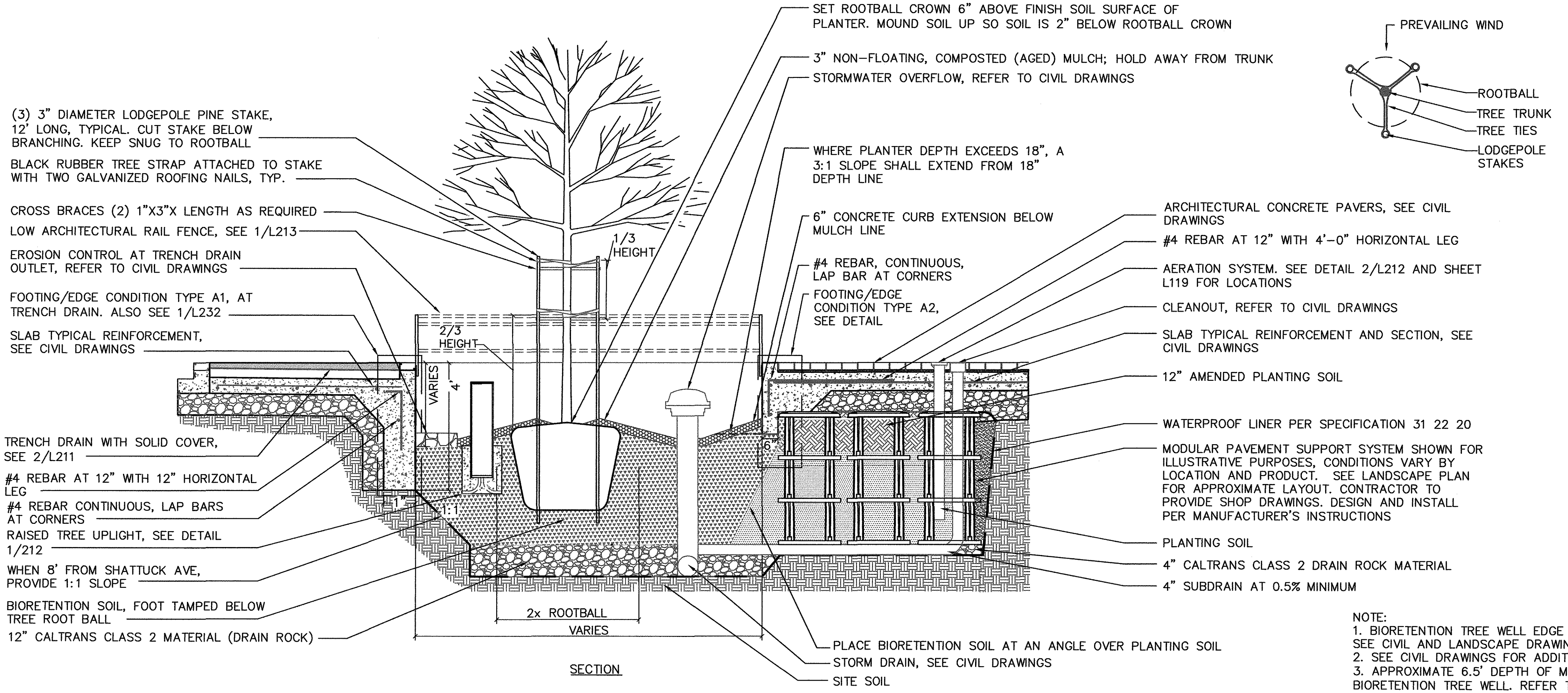
2 L230 L119


SET ROOT BALL 1" ABOVE FINISHED GRADE. LOOSEN ROOTBALL
TYPICAL CONTAINER PLANT
3" MINIMUM CHIPPED ARBORIST MULCH, KEEP BACK FROM PLANT BASE
TOPSOIL
AMENDED TOPSOIL
FOOT TAMPED BELOW ROOTBALL
SOIL SURFACE ROUGHENED TO BIND WITH NEW SOIL
MIN.
4"
VARIES
2X ROOT BALL DIAMETER

GRASS, PERENNIAL AND SHRUB PLANTING

SCALE: 1/2" = 1'-0"

3 L230 L119


SET ROOTBALL CROWN 6" ABOVE FINISH SOIL SURFACE OF PLANTER. MOUND SOIL UP SO SOIL IS 2" BELOW ROOTBALL CROWN
3" NON-FLOATING, COMPOSTED (AGED) MULCH; HOLD AWAY FROM TRUNK
STORMWATER OVERFLOW, REFER TO CIVIL DRAWINGS
PREVAILING WIND
ROOTBALL
TREE TRUNK
TREE TIES
LODGEPOLE STAKES
(3) 3" DIAMETER LODGEPOLE PINE STAKE, 12' LONG, TYPICAL. CUT STAKE BELOW BRANCHING. KEEP SNUG TO ROOTBALL
BLACK RUBBER TREE STRAP ATTACHED TO STAKE WITH TWO GALVANIZED ROOFING NAILS, TYP.
CROSS BRACES (2) 1"X3"X LENGTH AS REQUIRED
LOW ARCHITECTURAL RAIL FENCE, SEE 1/L213
EROSION CONTROL AT TRENCH DRAIN OUTLET, REFER TO CIVIL DRAWINGS
FOOTING/EDGE CONDITION TYPE A1, AT TRENCH DRAIN. ALSO SEE 1/L232
SLAB TYPICAL REINFORCEMENT, SEE CIVIL DRAWINGS
TRENCH DRAIN WITH SOLID COVER, SEE 2/L211
#4 REBAR AT 12" WITH 12" HORIZONTAL LEG
#4 REBAR CONTINUOUS, LAP BARS AT CORNERS
RAISED TREE UPLIGHT, SEE DETAIL 1/212
WHEN 8' FROM SHATTUCK AVE, PROVIDE 1:1 SLOPE
BIORETENTION SOIL, FOOT TAMPED BELOW TREE ROOT BALL
12" CALTRANS CLASS 2 MATERIAL (DRAIN ROCK)
1/3 HEIGHT
2/3 HEIGHT
VARIES
4'
1:1
6"
2x ROOTBALL
VARIES
WHERE PLANTER DEPTH EXCEEDS 18", A 3:1 SLOPE SHALL EXTEND FROM 18" DEPTH LINE
6" CONCRETE CURB EXTENSION BELOW MULCH LINE
#4 REBAR, CONTINUOUS, LAP BAR AT CORNERS
FOOTING/EDGE CONDITION TYPE A2, SEE DETAIL
ARCHITECTURAL CONCRETE PAVERS, SEE CIVIL DRAWINGS
#4 REBAR AT 12" WITH 4'-0" HORIZONTAL LEG
AERATION SYSTEM. SEE DETAIL 2/L212 AND SHEET L119 FOR LOCATIONS
CLEANOUT, REFER TO CIVIL DRAWINGS
SLAB TYPICAL REINFORCEMENT AND SECTION, SEE CIVIL DRAWINGS
12" AMENDED PLANTING SOIL
WATERPROOF LINER PER SPECIFICATION 31 22 20
MODULAR PAVEMENT SUPPORT SYSTEM SHOWN FOR ILLUSTRATIVE PURPOSES, CONDITIONS VARY BY LOCATION AND PRODUCT. SEE LANDSCAPE PLAN FOR APPROXIMATE LAYOUT. CONTRACTOR TO PROVIDE SHOP DRAWINGS. DESIGN AND INSTALL PER MANUFACTURER'S INSTRUCTIONS
PLANTING SOIL
4" CALTRANS CLASS 2 DRAIN ROCK MATERIAL
4" SUBDRAIN AT 0.5% MINIMUM
PLACE BIORETENTION SOIL AT AN ANGLE OVER PLANTING SOIL
STORM DRAIN, SEE CIVIL DRAWINGS
SITE SOIL
SECTION

NOTE:
1. BIORETENTION TREE WELL EDGE CONDITION VARIES. SEE CIVIL AND LANDSCAPE DRAWINGS
2. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
3. APPROXIMATE 6.5' DEPTH OF MPSS AND BIORETENTION TREE WELL. REFER TO CIVIL DRAWING C203 FOR DETAILED GRADE INFORMATION.

TYPICAL TREE PLANTING IN BIORETENTION TREE WELL

SCALE: 1/2" = 1'-0"

4 L230 L119

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REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID

REV.	DATE	BY	SUB	APP.	DESCRIPTION
					HALF SIZE

DESIGNED: P.ERICKSON
DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT PHILIP A. ERICKSON NO. C 23060 REN.8-31-17 STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

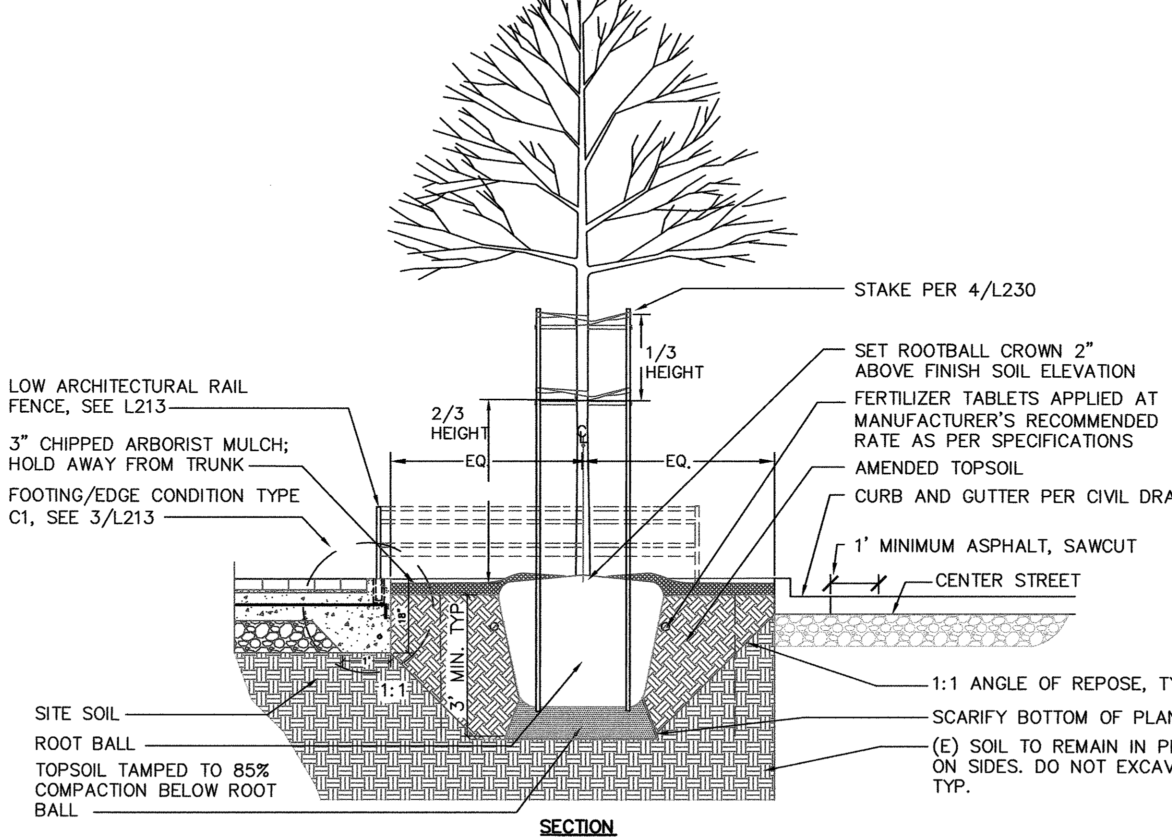
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erickson

FMG ARCHITECTS
ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

LANDSCAPE DETAILS
SHEET 1 OF 3

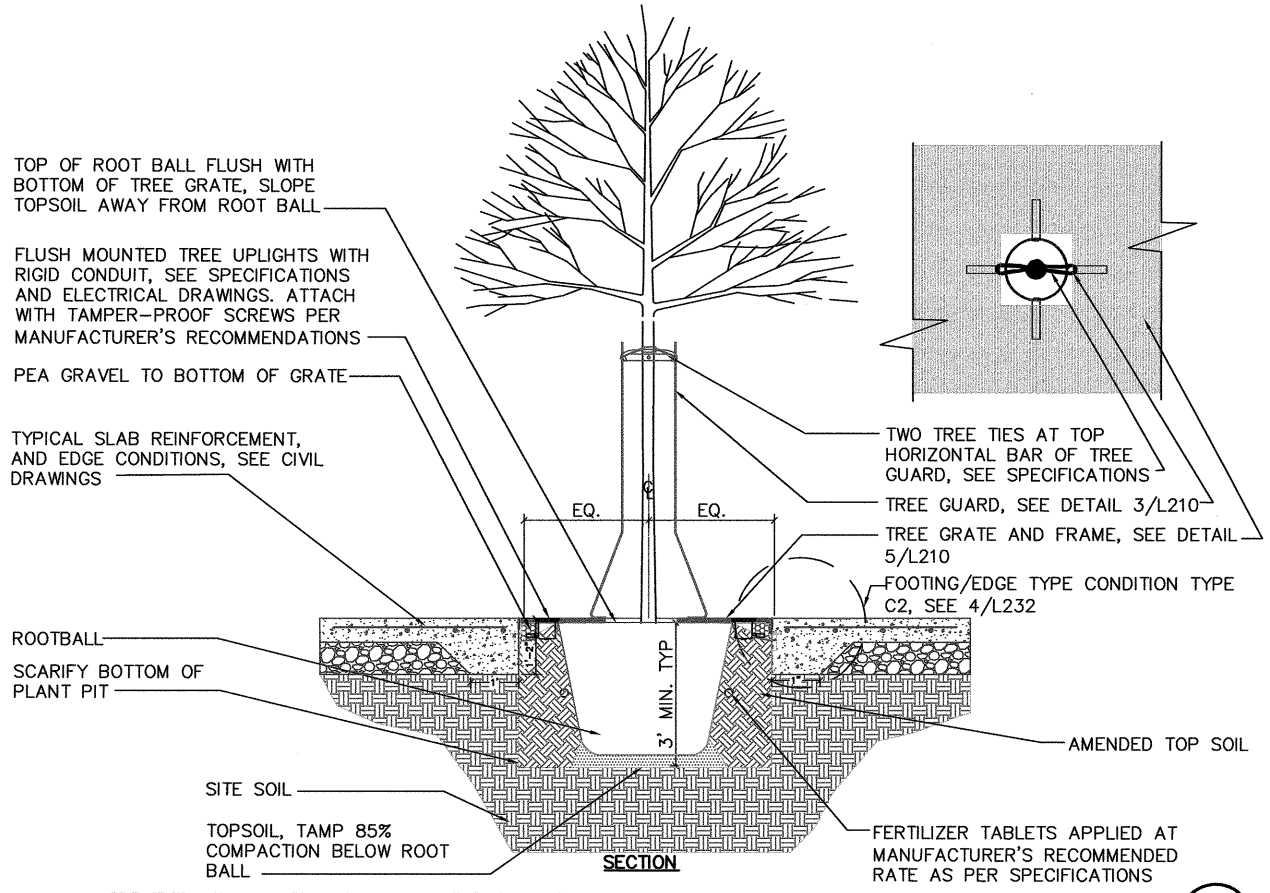
CADD FILENAME: DB-L230-P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L230
PAGE NO.: 184


STAKE PER 4/L230
1/3 HEIGHT
2/3 HEIGHT
EQ.
EQ.
LOW ARCHITECTURAL RAIL FENCE, SEE L213
3" CHIPPED ARBORIST MULCH; HOLD AWAY FROM TRUNK
FOOTING/EDGE CONDITION TYPE C1, SEE 3/L213
SET ROOTBALL CROWN 2" ABOVE FINISH SOIL ELEVATION
FERTILIZER TABLETS APPLIED AT MANUFACTURER'S RECOMMENDED RATE AS PER SPECIFICATIONS
AMENDED TOPSOIL
CURB AND GUTTER PER CIVIL DRAWINGS
1' MINIMUM ASPHALT, SAWCUT
CENTER STREET
3' MIN. TYP.
1:1
SITE SOIL
ROOT BALL
TOPSOIL TAMPED TO 85% COMPACTION BELOW ROOT BALL
1:1 ANGLE OF REPOSE, TYP.
SCARIFY BOTTOM OF PLANT PIT
(E) SOIL TO REMAIN IN PLACE, ON SIDES. DO NOT EXCAVATE, TYP.
SECTION

TREE PLANTING IN CENTER STREET PLANTER

SCALE: 1" = 2'-0"

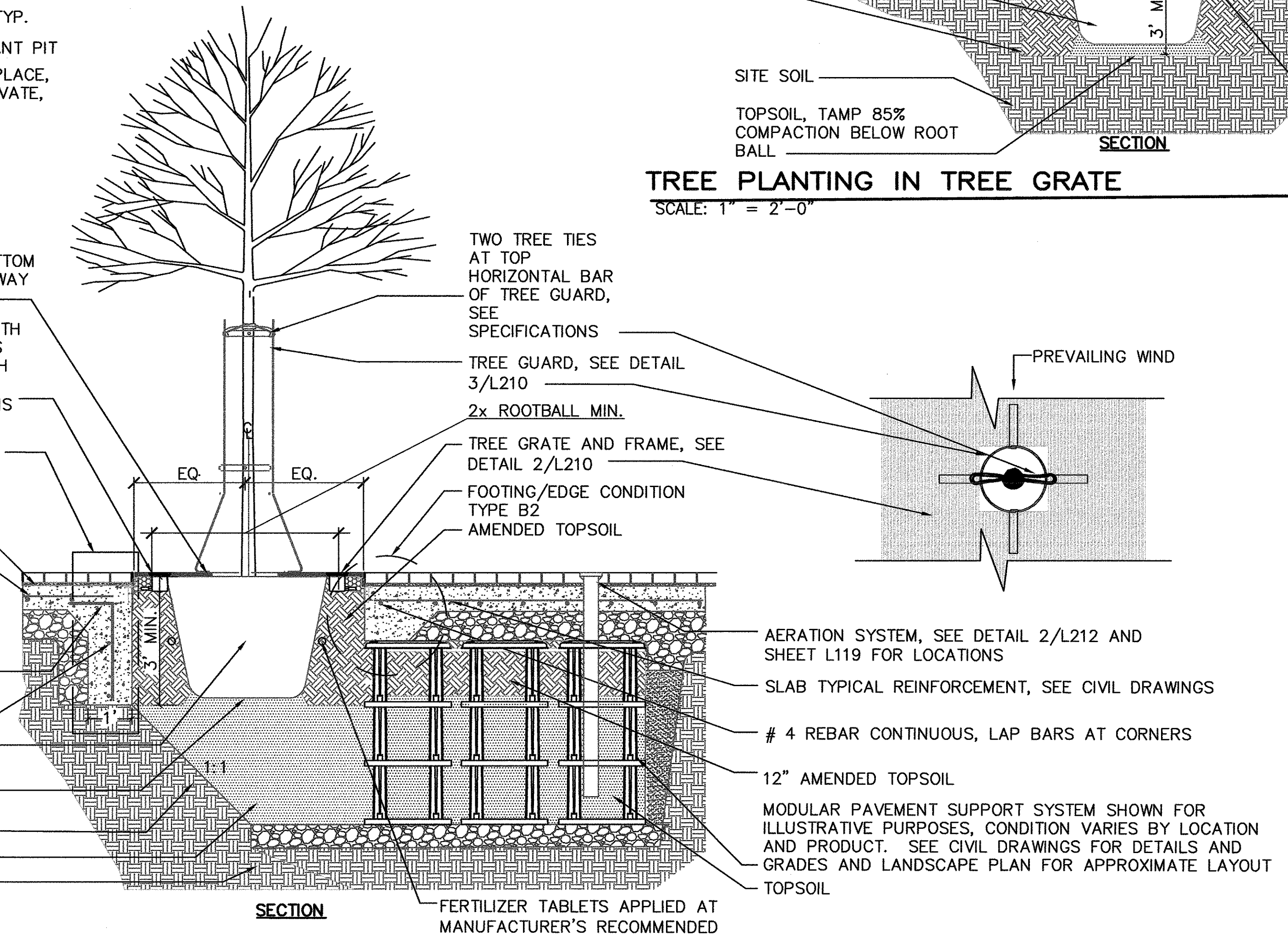
1
L231
L119


TOP OF ROOT BALL FLUSH WITH BOTTOM OF TREE GRATE, SLOPE TOPSOIL AWAY FROM ROOT BALL
FLUSH MOUNTED TREE UPLIGHTS WITH RIGID CONDUIT, SEE SPECIFICATIONS AND ELECTRICAL DRAWINGS. ATTACH WITH TAMPER-PROOF SCREWS PER MANUFACTURER'S RECOMMENDATIONS
PEA GRAVEL TO BOTTOM OF GRATE
TYPICAL SLAB REINFORCEMENT, AND EDGE CONDITIONS, SEE CIVIL DRAWINGS
EQ.
EQ.
TWO TREE TIES AT TOP HORIZONTAL BAR OF TREE GUARD, SEE SPECIFICATIONS
TREE GUARD, SEE DETAIL 3/L210
TREE GRATE AND FRAME, SEE DETAIL 5/L210
FOOTING/EDGE TYPE CONDITION TYPE C2, SEE 4/L232
ROOTBALL
SCARIFY BOTTOM OF PLANT PIT
3' MIN. TYP.
AMENDED TOP SOIL
SITE SOIL
TOPSOIL, TAMP 85% COMPACTION BELOW ROOT BALL
FERTILIZER TABLETS APPLIED AT MANUFACTURER'S RECOMMENDED RATE AS PER SPECIFICATIONS
SECTION

TREE PLANTING IN TREE GRATE

SCALE: 1" = 2'-0"

2
L231
L119


TOP OF ROOTBALL FLUSH WITH BOTTOM OF TREE GRATE, SLOPE TOPSOIL AWAY FROM ROOTBALL
FLUSH MOUNTED TREE UPLIGHTS WITH RIGID CONDUIT, SEE SPECIFICATIONS AND ELECTRICAL DRAWINGS. ATTACH WITH TAMPER-PROOF SCREWS PER MANUFACTURER'S RECOMMENDATIONS
WHEN WITHIN 8' OF SHATTUCK FOC PROVIDE DEEPENED FOOTING (EDGE CONDITION B1), SEE DETAIL 1/L213
SLAB TYPICAL REINFORCEMENT, SEE CIVIL DRAWINGS
FOOTING/EDGE CONDITION TYPE B1. SEE 3/L232
#4 REBAR AT 12" WITH 12" HORIZONTAL LEG
#4 REBAR CONTINUOUS, LAP BARS AT CORNERS
ROOTBALL
TOPSOIL, TAMPED TO 85% BELOW ROOT BALL
SITE SOIL, MAINTAIN 1:1 SLOPE ALONG SHATTUCK AVE. EDGE
TOP SOIL
4" SUB BASE
TWO TREE TIES AT TOP HORIZONTAL BAR OF TREE GUARD, SEE SPECIFICATIONS
TREE GUARD, SEE DETAIL 3/L210
2x ROOTBALL MIN.
TREE GRATE AND FRAME, SEE DETAIL 2/L210
FOOTING/EDGE CONDITION TYPE B2
AMENDED TOPSOIL
EQ.
EQ.
3' MIN.
1'
1:1
PREVAILING WIND
AERATION SYSTEM, SEE DETAIL 2/L212 AND SHEET L119 FOR LOCATIONS
SLAB TYPICAL REINFORCEMENT, SEE CIVIL DRAWINGS
# 4 REBAR CONTINUOUS, LAP BARS AT CORNERS
12" AMENDED TOPSOIL
MODULAR PAVEMENT SUPPORT SYSTEM SHOWN FOR ILLUSTRATIVE PURPOSES, CONDITION VARIES BY LOCATION AND PRODUCT. SEE CIVIL DRAWINGS FOR DETAILS AND GRADES AND LANDSCAPE PLAN FOR APPROXIMATE LAYOUT
TOPSOIL
FERTILIZER TABLETS APPLIED AT MANUFACTURER'S RECOMMENDED RATE AS PER SPECIFICATIONS
SECTION

NOTES:
1. EDGE CONDITION VARIES, SEE CIVIL AND LANDSCAPE DRAWINGS
2. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
3. APPROXIMATE 6' DEPTH OF MPSS. REFER TO CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.

TREE PLANTING IN TREE GRATE

SCALE: 1" = 2'-0"

3
L231

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P	20151015				ISSUED FOR BID						

HALF SIZE

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DRAWN: K.MAJEWSKI
CHECKED: C.GOLDADE
APPROVED: P.ERICKSON
DATE: 20151015

LICENSED ARCHITECT
PHILIP A. ERICKSON
NO. C 23060
REN. 8-31-17
STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

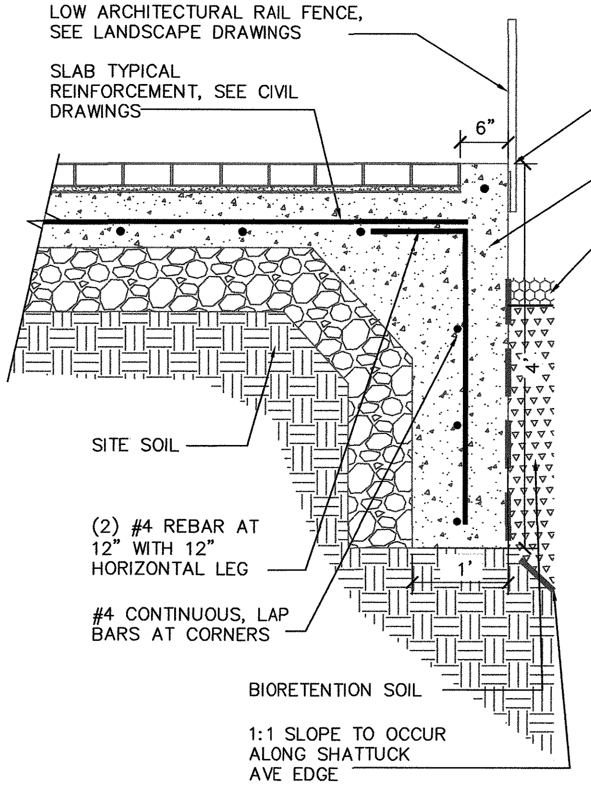
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

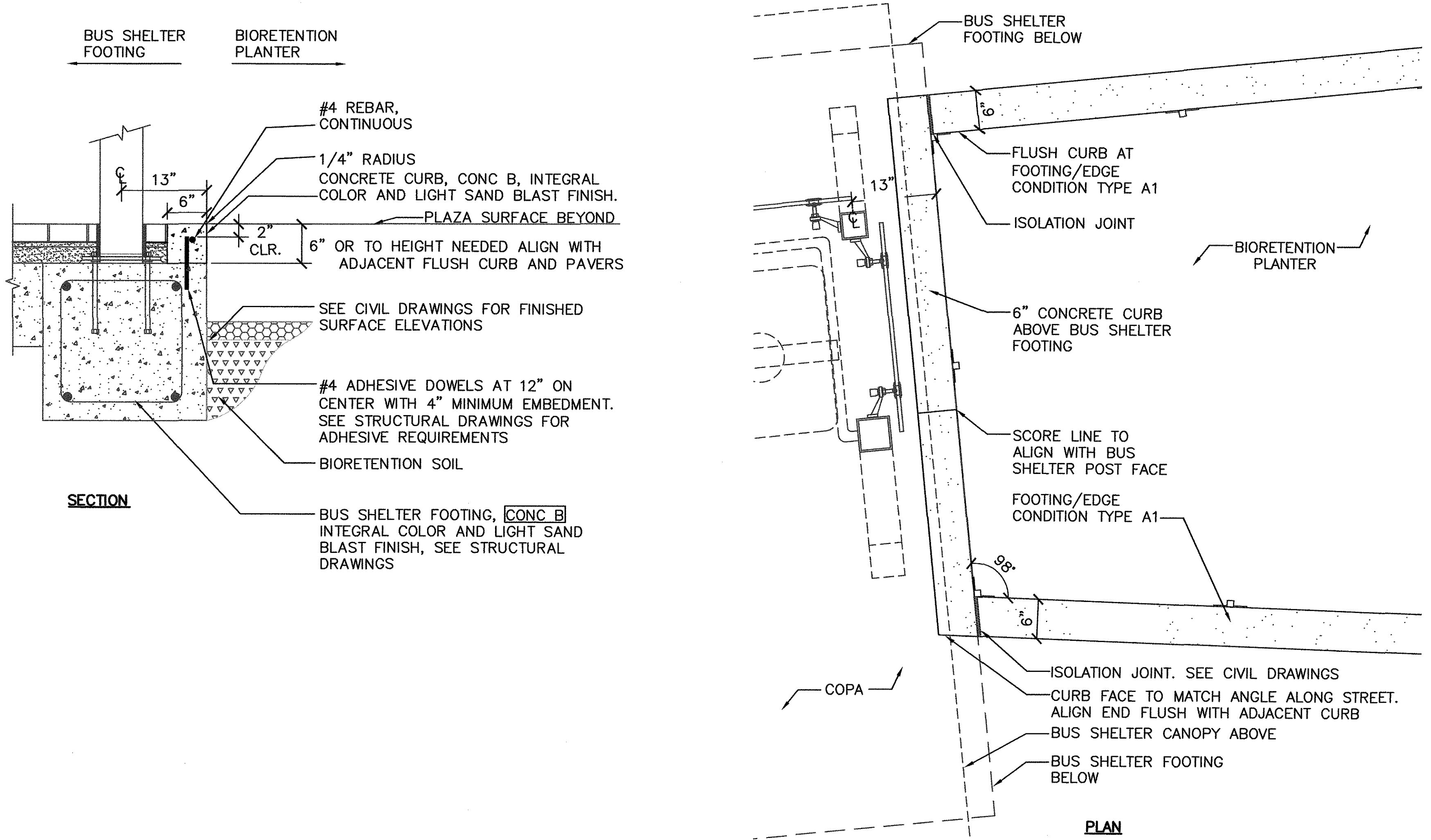
BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

LANDSCAPE DETAILS
SHEET 2 of 3

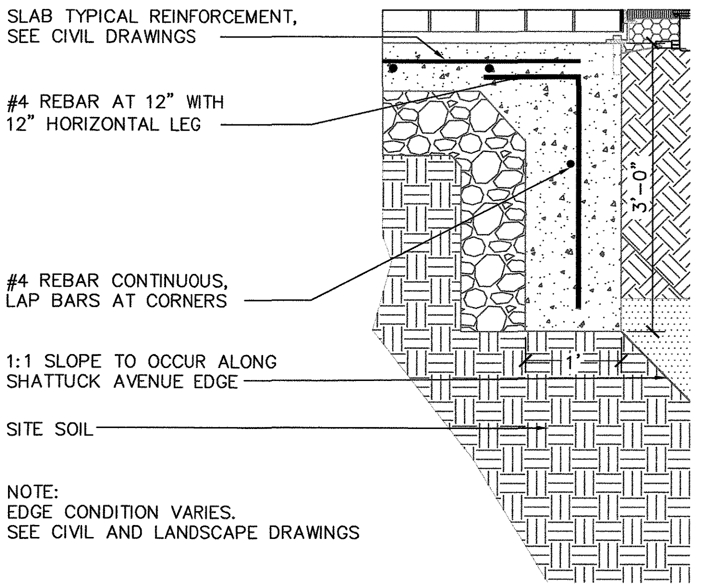
CADD FILENAME: DB-L231-P.dwg
SIZE: D
SCALE: 1"=2'-0"
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L231
PAGE NO.: 185


LOW ARCHITECTURAL RAIL FENCE, SEE LANDSCAPE DRAWINGS
SLAB TYPICAL REINFORCEMENT, SEE CIVIL DRAWINGS
6"
1/4" RADIUS
CONC B- INTEGRAL COLOR AND LIGHT SAND BLAST FINISH
MULCH
4"
SITE SOIL
(2) #4 REBAR AT 12" WITH 12" HORIZONTAL LEG
1'
#4 CONTINUOUS, LAP BARS AT CORNERS
BIORETENTION SOIL
1:1 SLOPE TO OCCUR ALONG SHATTUCK AVE EDGE

FOOTING/EDGE CONDITION TYPE A1 WITH PAVERS ① L232
SCALE: 1" = 1'–0"

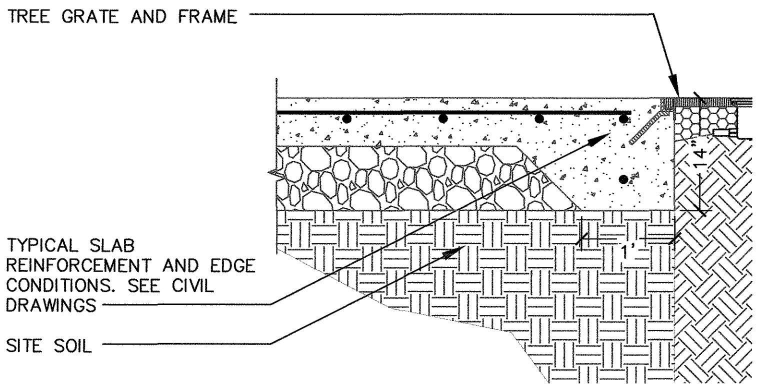

BUS SHELTER FOOTING
BIORETENTION PLANTER
#4 REBAR, CONTINUOUS
1/4" RADIUS
CONCRETE CURB, CONC B, INTEGRAL COLOR AND LIGHT SAND BLAST FINISH.
PLAZA SURFACE BEYOND
℄
13"
6"
2" CLR.
6" OR TO HEIGHT NEEDED ALIGN WITH ADJACENT FLUSH CURB AND PAVERS
SEE CIVIL DRAWINGS FOR FINISHED SURFACE ELEVATIONS
#4 ADHESIVE DOWELS AT 12" ON CENTER WITH 4" MINIMUM EMBEDMENT. SEE STRUCTURAL DRAWINGS FOR ADHESIVE REQUIREMENTS
BIORETENTION SOIL
BUS SHELTER FOOTING, CONC B INTEGRAL COLOR AND LIGHT SAND BLAST FINISH, SEE STRUCTURAL DRAWINGS
SECTION
BUS SHELTER FOOTING BELOW
6"
13"
FLUSH CURB AT FOOTING/EDGE CONDITION TYPE A1
ISOLATION JOINT
BIORETENTION PLANTER
6" CONCRETE CURB ABOVE BUS SHELTER FOOTING
SCORE LINE TO ALIGN WITH BUS SHELTER POST FACE
FOOTING/EDGE CONDITION TYPE A1
98°
6"
ISOLATION JOINT. SEE CIVIL DRAWINGS
CURB FACE TO MATCH ANGLE ALONG STREET. ALIGN END FLUSH WITH ADJACENT CURB
COPA
BUS SHELTER CANOPY ABOVE
BUS SHELTER FOOTING BELOW
PLAN

FOOTING/EDGE CONDITION TYPE A3
AT BUS SHELTER AND RETENTION PLANTER ② L232
SCALE: 1" = 1'–0"

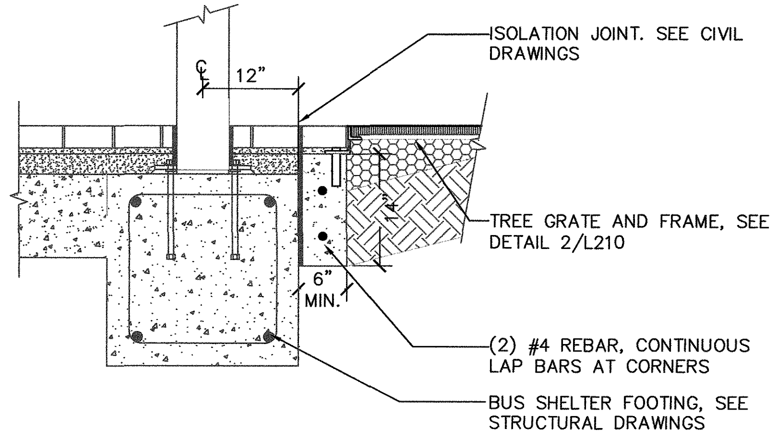

SLAB TYPICAL REINFORCEMENT, SEE CIVIL DRAWINGS
#4 REBAR AT 12" WITH 12" HORIZONTAL LEG
3'–0"
#4 REBAR CONTINUOUS, LAP BARS AT CORNERS
1'
1:1 SLOPE TO OCCUR ALONG SHATTUCK AVENUE EDGE
SITE SOIL

NOTE:
EDGE CONDITION VARIES.
SEE CIVIL AND LANDSCAPE DRAWINGS

FOOTING/EDGE CONDITION
TYPE B1 AT TREE GRATE ③ L232
SCALE: 1" = 1'–0"


TREE GRATE AND FRAME
14"
1'
TYPICAL SLAB REINFORCEMENT AND EDGE CONDITIONS. SEE CIVIL DRAWINGS
SITE SOIL

FOOTING/EDGE CONDITION
TYPE C2 AT TREE GRATE ④ L232
SCALE: 1" = 1'–0"


℄
12"
ISOLATION JOINT. SEE CIVIL DRAWINGS
14"
TREE GRATE AND FRAME, SEE DETAIL 2/L210
6" MIN.
(2) #4 REBAR, CONTINUOUS LAP BARS AT CORNERS
BUS SHELTER FOOTING, SEE STRUCTURAL DRAWINGS

EDGE CONDITION TYPE B3
AT BUS SHELTER AND TREE GRATE ⑤ L232
SCALE: 1" = 1'–0"

REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED:
P.ERICKSON
DRAWN:
K.MAJEWSKI
CHECKED:
C.GOLDADE
APPROVED:
P.ERICKSON
DATE:
20151015

PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
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APPROVED

BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

LANDSCAPE DETAILS
SHEET 3 of 3

CADD FILENAME
DB–L232–P.dwg
SIZE: D
SCALE: AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L232
PAGE NO. 186

Katrina Majewski Dec 17, 2015 - 3:56pm \\Mail\graphics\PRINT Image Library\CD+A Projects\2013\1305 Downtown Berkeley BART\CAD\DB-L232-A-14km.dwg

IRRIGATION NOTES

1. THESE IRRIGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE POSSIBLE. DUE TO THE SCALE OF THE DRAWINGS, IT IS NOT POSSIBLE TO INDICATE ALL OFFSETS, FITTINGS, SLEEVES, ETC., WHICH MAY BE REQUIRED. THE CONTRACTOR IS REQUIRED TO INVESTIGATE THE STRUCTURAL AND FINISHED CONDITIONS AFFECTING ALL OF THE CONTRACT WORK INCLUDING OBSTRUCTIONS, GRADE DIFFERENCES OR AREA DIMENSIONAL DIFFERENCES WHICH MAY NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. IN THE EVENT OF FIELD DIFFERENCES, THE CONTRACTOR IS REQUIRED TO PLAN THE INSTALLATION WORK ACCORDINGLY BY NOTIFICATION AND APPROVAL OF THE OWNER'S AUTHORIZED REPRESENTATIVE AND ACCORDING TO THE CONTRACT SPECIFICATION. THE CONTRACTOR IS ALSO REQUIRED TO NOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH ALL APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, ETC., BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REQUIRED REVISIONS.

2. THE CONTRACTOR SHALL EXERCISE CARE IN LOCATING PIPING AS TO NOT CONFLICT WITH OTHER UTILITIES. DO NOT INSTALL IRRIGATION PIPING PARALLEL TO AND DIRECTLY OVER OTHER UTILITIES.

3. THE INTENT OF THIS IRRIGATION SYSTEM IS TO PROVIDE THE MINIMUM AMOUNT OF WATER REQUIRED TO SUSTAIN GOOD PLANT HEALTH.

4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROGRAM THE IRRIGATION CONTROLLER TO PROVIDE THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH. THIS INCLUDES MAKING ADJUSTMENTS TO THE PROGRAM FOR SEASONAL WEATHER CHANGES, PLANT MATERIAL, WATER REQUIREMENTS, MOUNDS AND SLOPES, SUN, SHADE, AND WIND EXPOSURES.

5. AT THE END OF THE REQUIRED MAINTENANCE PERIOD OF THE CONTRACTOR, THE OWNER SHALL PROVIDE REGULAR MAINTENANCE OF THE IRRIGATION SYSTEM TO ENSURE THE EFFICIENT USE OF WATER. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO CHECKING, ADJUSTING, AND REPAIRING IRRIGATION EQUIPMENT AND CONTROL SYSTEM.

6. 120 VOLT A.C. (2.5 AMP DEMAND) ELECTRICAL SERVICE TO IRRIGATION CONTROLLER LOCATION TO BE PROVIDED UNDER ELECTRICAL CONTRACT WORK. IRRIGATION CONTRACTOR TO MAKE FINAL CONNECTION FROM ELECTRICAL STUB-OUT TO CONTROLLER AND PROVIDE PROPER GROUNDING PER CONTROLLER MANUFACTURER'S INSTRUCTIONS.

7. IRRIGATION CONTROLLER TO HAVE ITS OWN INDEPENDENT 24 VOLT COMMON GROUND WIRE.

8. CONTRACTOR SHALL PROGRAM THE IRRIGATION CONTROLLER TO PROVIDE IRRIGATION TO ALL PLANTING WITHIN THE ALLOWED WATERING WINDOW OF TIME AS REQUIRED TO COMPLY WITH STATE AND LOCAL WATERING LAWS. THE CONTRACTOR SHALL CREATE CONTROLLER PROGRAMING THAT WILL NOT EXCEED THE MAXIMUM GALLONS PER MINUTE FLOW RATE STATED ON THE DRAWINGS, AND NOT EXCEED THE CAPACITY OF ANY MAINLINE PIPING.

9. IRRIGATION CONTROL WIRES SHALL BE COPPER WITH U.L. APPROVAL FOR DIRECT BURIAL IN GROUND, SIZE #14-1. COMMON GROUND WIRE SHALL HAVE WHITE INSULATING JACKET. CONTROL WIRE SHALL HAVE INSULATING JACKET OF COLOR OTHER THAN WHITE. SPLICE SHALL BE MADE WITH 3M-DBR/Y-6 SEAL PACKS.

10. INSTALL THREE (3) SPARE CONTROL WIRES OF DIFFERENT COLORS ALONG THE ENTIRE MAINLINE. LOOP 36" EXCESS WIRE INTO EACH SINGLE VALVE BOX AND INTO ONE VALVE BOX IN EACH GROUP OF VALVES.

11. SPLICING OF 24 VOLT WIRES IS NOT PERMITTED EXCEPT IN VALVE BOXES. SEAL WIRE SPLICES WITH 3M-DBR/Y-6 SPLICE SEALING DEVICES OF SIZE COMPATIBLE WITH WIRE SIZE. LEAVE A 36" LONG, 1" DIAMETER COIL OF EXCESS WIRE AT EACH SPLICE AND A 36" LONG EXPANSION LOOP EVERY 100 FEET ALONG WIRE RUN. TAPE WIRES TOGETHER EVERY TEN FEET. TAPING WIRES IS NOT REQUIRED INSIDE SLEEVES.

12. VALVE BOXES SHALL BE CONCRETE WITH BOLT DOWN CAST IRON COVERS WITH LIFT HANDEL MARKED "IRRIGATION". BOX BODY SHALL HAVE KNOCK OUTS. MANUFACTURER SHALL BE CHRISTIY OR APPROVED EQUAL.

13. INSTALL REMOTE CONTROL VALVE BOXES 12" FROM WALK, CURB, HEADER BOARD, BUILDING, OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE AN EQUAL DISTANCE FROM THE WALK, CURB. ETC. AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOXES SHALL BE PARALLEL TO WALK, CURB, ETC.

14. VALVE LOCATIONS SHOWN ARE DIAGRAMMATIC. INSTALL IN GROUNDCOVER/SHRUB AREAS WHERE POSSIBLE.

15. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND FLOW. THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.

16. LOCATE BUBBLERS ON UP-HILL SIDE OF PLANT OR TREE.

17. INSTALL A VALCON 5000 SERIES OR APPROVED EQUAL SPRING LOADED CHECK VALVE BELOW THOSE BUBBLERS WHERE LOW HEAD DRAINAGE WILL CAUSE EROSION AND/OR EXCESS WATER.

18. WHERE IT IS NECESSARY TO EXCAVATE ADJACENT TO EXISTING TREES, THE CONTRACTOR SHALL USE ALL POSSIBLE CARE TO AVOID INJURY TO TREES AND TREE ROOTS. EXCAVATION IN AREAS WHERE TWO (2) INCH AND LARGER ROOTS OCCUR SHALL BE DONE BY HAND. TRENCHES ADJACENT TO TREE SHOULD BE CLOSED WITHIN TWENTY-FOUR (24) HOURS; AND WHERE THIS IS NOT POSSIBLE, THE SIDE OF THE TRENCH ADJACENT TO THE TREE SHALL BE KEPT SHADED WITH BURLAP OR CANVAS.

19. PRESSURE TEST PROCEDURE: MAINS, LATERALS, VALVES, FITTINGS, AND AUTOMATIC ELECTRICAL CONTROL VALVES SHALL BE PRESSURE TESTED. AFTER ASSEMBLY AND INSTALLATION, AND AFTER JOINTS HAVE CURED FOR 24 HOURS, TEST MAIN FIRST, THEN CAPPED LATERALS (BEFORE INSTALLATION OF HEADS). FOR MAINS, PUMP TO 100 PSI STATIC PRESSURE, THEN DISCONNECT PUMP. PRESSURE GAGES SHALL BE LOCATED AT TWO POINTS IN THE SYSTEM AND SHALL SHOW NO LOSS AFTER A PERIOD OF SIX HOURS. LATERALS SHALL BE TESTED AT LINE PRESSURE.

20. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM OPERATING PRESSURE SHOWN ON THE IRRIGATION DRAWINGS. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE OWNER'S AUTHORIZED REPRESENTATIVE.

21. IRRIGATION DEMAND: 19 GPM AT 50 PSI STATIC PRESSURE AT IRRIGATION POINT OF CONNECTION. FIELD VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. IF ACTUAL WATER PRESSURE DIFFERS FROM THE STATED PRESSURE CONTACT ENGINEER FOR DIRECTION AND POSSIBLE REVISION.

22. PIPE THREAD SEALANT COMPOUND SHALL BE RECTOR SEAL T+2, CHRISTY'S ULTRA SEAL, OR APPROVED EQUAL.

23. RECORD DRAWINGS:

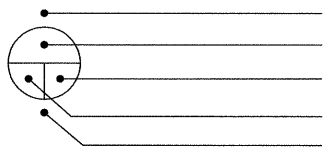
A. THE CONTRACTOR SHALL MAINTAIN IN GOOD ORDER IN THE FIELD OFFICE ONE COMPLETE SET OF BLACK LINE PRINTS OF ALL SPRINKLER DRAWINGS WHICH FORM A PART OF THE CONTRACT, SHOWING ALL WATER LINES, SPRINKLERS, VALVES, CONTROLLERS AND STUB-OUTS. IN THE EVENT ANY WORK IS NOT INSTALLED AS INDICATED ON THE DRAWINGS, SUCH WORK SHALL BE CORRECTED AND DIMENSIONED ACCURATELY FROM THE BUILDING WALLS.

B. ALL UNDERGROUND STUB-OUTS FOR FUTURE CONNECTIONS AND VALVES SHALL BE LOCATED AND DIMENSIONED ACCURATELY FROM BUILDING WALLS ON ALL RECORD DRAWINGS.

C. UPON COMPLETION OF THE WORK, OBTAIN REPRODUCIBLE PRINTS FROM ENGINEER AND NEATLY CORRECT THE PRINTS TO SHOW THE AS-BUILT CONDITIONS.

IRRIGATION LEGEND

SYMBOL	MODEL NUMBER	DESCRIPTION
●	1401	RAIN BIRD BUBBLER (SHRUB)
■	1401	RAIN BIRD BUBBLER (TREE)
□	RWS-B-C-1401	RAIN BIRD BUBBLER WITH DEEP WATERING BUBBLER ASSEMBLY AND CHECK VALVE (TREE)
◕	EFB-CP-SERIES	RAIN BIRD BRASS REMOTE CONTROL VALVE
◆	33DLRC	RAIN BIRD QUICK COUPLING VALVE
⋈	T-113	NIBCO GATE VALVE (LINE SIZE)
Ⓐ	ACC-1200-SS	HUNTER ACC CONTROLLER (FOR LOCATION SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS.)
SS	WSS-SEN	HUNTER WIRELESS SOLAR SYNC SENSOR



PRECIPITATION RATE
CONTROLLER & STATION NUMBER
APPROXIMATE FLOW (GPM)
REMOTE CONTROL VALVE SIZE
PLANT TYPE/WATER REQUIREMENT
SL - SHRUB & GROUNDCOVER/LOW WATER
TM - TREE/MODERATE WATER

MAIN LINE:	1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 18" COVER.
LATERAL LINE:	1120-SCHEDULE 40 PVC PLASTIC PIPE WITH SCHEDULE 40 PVC SOLVENT-WELD FITTINGS. 12" COVER.
SLEEVING:	1120-SCHEDULE 40 PVC PLASTIC PIPE. 24" UNDER VEHICULAR PAVING.

IRRIGATION WATER-USE CALCULATIONS

MAXIMUM APPLIED WATER ALLOWANCE (MAWA) = (ETO x .45 x LANDSCAPED AREA x 0.62)

ETO	41.8 INCHES
LANDSCAPED AREA	1,086 SQUARE FEET
MAWA	12,665 GALLONS/YEAR

ESTIMATED APPLIED WATER USE (EWU) =
(ETO x PLANT FACTOR x LANDSCAPED AREA x 0.62)/IRRIGATION EFFICIENCY

1. BUBBLER IRRIGATION IN LOW WATER-USE SHRUB/GROUNDCOVER AREAS:

LANDSCAPED AREA	910 SQUARE FEET
PLANT FACTOR	0.3
IRRIGATION EFFICIENCY	0.85
EWU	8,324 GALLONS/YEAR

2. TREE BUBBLER IRRIGATION FOR MODERATE WATER-USE TREES:

LANDSCAPED AREA	176 SQUARE FEET
PLANT FACTOR	0.5
IRRIGATION EFFICIENCY	0.85
EWU	2,683 GALLONS/YEAR
TOTAL EWU:	11,007 GALLONS/YEAR

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
MARTY DICKSON, ASIC-PIC
TEL(530) 547-5515 www.dicksoninc.net
P.O. BOX 415
PALO CEDRO, CALIFORNIA 96073
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P	20151015				ISSUED FOR BID						

HALF SIZE

DESIGNED: M.DICKSON
DRAWN: L.DICKSON
CHECKED: M.DICKSON
APPROVED: M.DICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C 23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

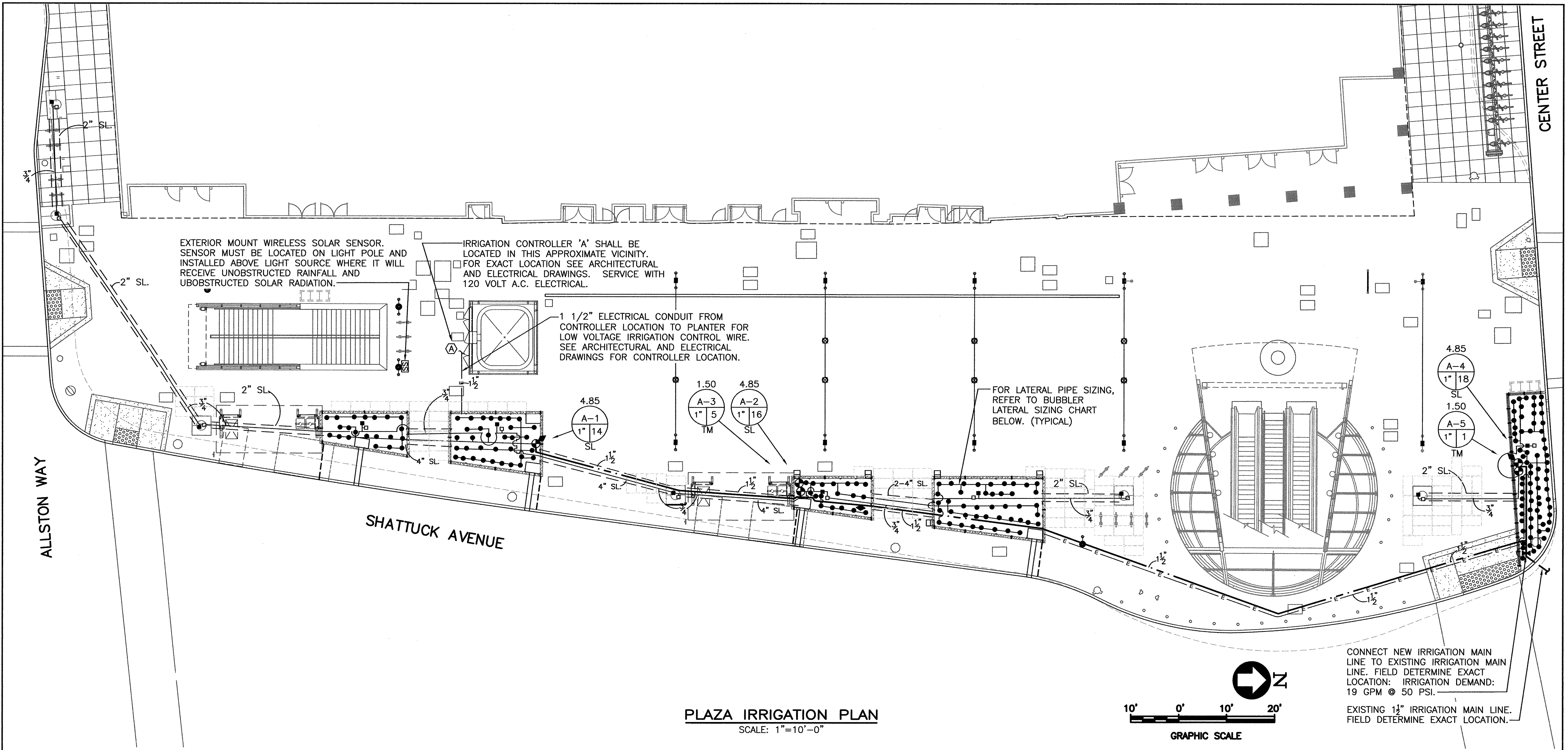
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE
350 Frank Ogawa Plaza, 5th Flr
Oakland, California 94612
Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

IRRIGATION LEGEND & NOTES

CADD FILENAME: DB-L301-P.dwg
SIZE: D
SCALE: NONE
CONTRACT NO.: 05EA-110
REV.: P
CONTRACT SHEET NO.: L301
PAGE NO.: 187


CENTER STREET
ALLSTON WAY
SHATTUCK AVENUE
2" SL.
3/4"
2" SL.
EXTERIOR MOUNT WIRELESS SOLAR SENSOR. SENSOR MUST BE LOCATED ON LIGHT POLE AND INSTALLED ABOVE LIGHT SOURCE WHERE IT WILL RECEIVE UNOBSTRUCTED RAINFALL AND UBOBSTRUCTED SOLAR RADIATION.
IRRIGATION CONTROLLER 'A' SHALL BE LOCATED IN THIS APPROXIMATE VICINITY. FOR EXACT LOCATION SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS. SERVICE WITH 120 VOLT A.C. ELECTRICAL.
A
1 1/2" ELECTRICAL CONDUIT FROM CONTROLLER LOCATION TO PLANTER FOR LOW VOLTAGE IRRIGATION CONTROL WIRE. SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR CONTROLLER LOCATION.
1 1/2
3/4
2" SL.
3/4"
4" SL.
4.85
A-1
1" 14
SL
1 1/2"
4" SL.
1.50
A-3
1" 5
TM
4.85
A-2
1" 16
SL
1 1/2"
4" SL.
3/4"
2-4" SL.
3/4"
1 1/2"
FOR LATERAL PIPE SIZING, REFER TO BUBBLER LATERAL SIZING CHART BELOW. (TYPICAL)
2" SL.
3/4"
1 1/2"
4.85
A-4
1" 18
SL
1.50
A-5
1" 1
TM
2" SL.
3/4"
1 1/2"
1 1/2"
CONNECT NEW IRRIGATION MAIN LINE TO EXISTING IRRIGATION MAIN LINE. FIELD DETERMINE EXACT LOCATION: IRRIGATION DEMAND: 19 GPM @ 50 PSI.
EXISTING 1 1/2" IRRIGATION MAIN LINE. FIELD DETERMINE EXACT LOCATION.
N
10' 0' 10' 20'
GRAPHIC SCALE

PLAZA IRRIGATION PLAN

SCALE: 1"=10'-0"

NOTES:

1. SHRUB BUBBLER LOCATIONS AND QUANTITIES ARE APPROXIMATE. ACTUAL LOCATIONS AND QUANTITIES SHALL BE FIELD DETERMINED TO CONFORM WITH FINAL PLANTING.

2. EXISTING BACKFLOW PREVENTION DEVICE IS LOCATED ACROSS SHATTUCK AVENUE.

BUBBLER LATERAL SIZING

NUMBER OF BUBBLERS	PIPE SIZE
1 – 10	3/4"
11 – 20	1"
21 – 35	1 1/4"
36 – 60	1 1/2"
61 +	2"

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P	20151015				ISSUED FOR BID						HALF SIZE

DESIGNED: M.DICKSON
DRAWN: L.DICKSON
CHECKED: M.DICKSON
APPROVED: M.DICKSON
DATE: 20151015

PHILIP A. ERICKSON
NO. C-23060
REN.8-31-17

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED Philip A. Erickson

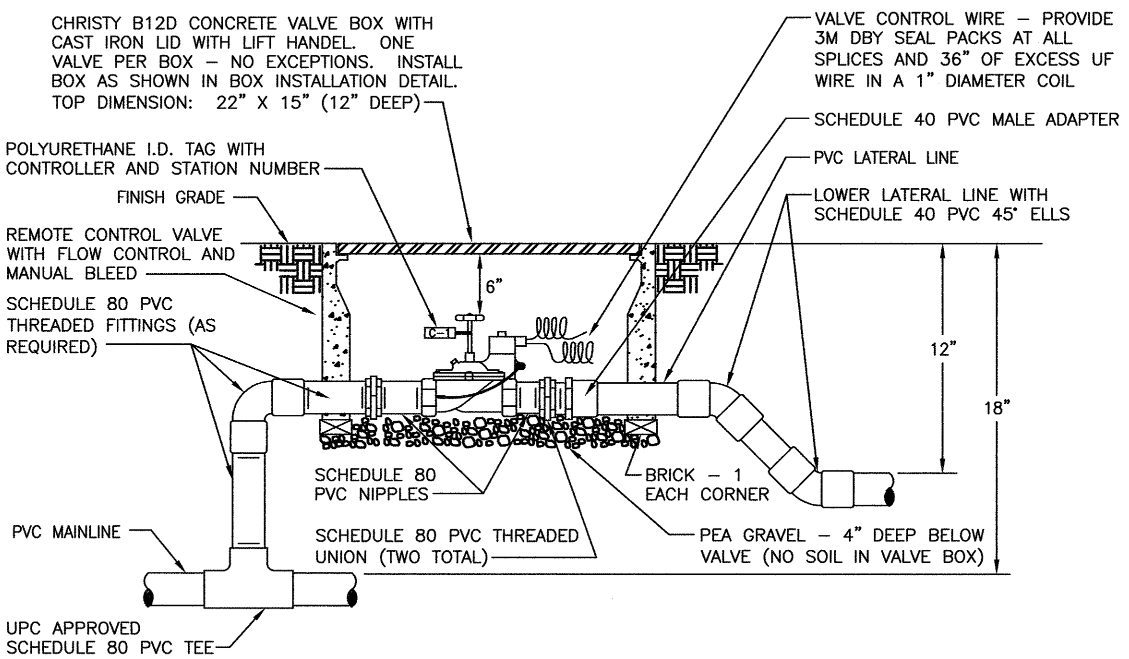
FMG ARCHITECTS
FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

PLAZA IRRIGATION PLAN

CADD FILENAME DB–L310–P.dwg
SIZE: D
SCALE AS NOTED
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L310
PAGE NO. 188

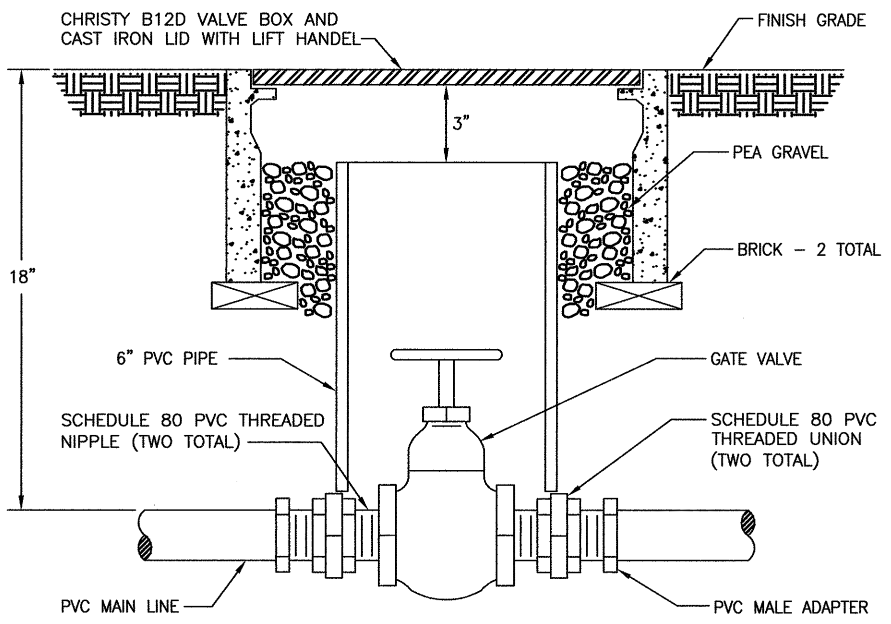
BART DOWNTOWN BERKLEY PLAZA/A/JOB/14–225/ DB–L301–L322 / L310 /SYMBOL SIZE: 10 /12–07–2015 LMD


CHRISTY B12D CONCRETE VALVE BOX WITH CAST IRON LID WITH LIFT HANDEL. ONE VALVE PER BOX – NO EXCEPTIONS. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL. TOP DIMENSION: 22" X 15" (12" DEEP)
VALVE CONTROL WIRE – PROVIDE 3M DBY SEAL PACKS AT ALL SPLICES AND 36" OF EXCESS UF WIRE IN A 1" DIAMETER COIL
SCHEDULE 40 PVC MALE ADAPTER
POLYURETHANE I.D. TAG WITH CONTROLLER AND STATION NUMBER
PVC LATERAL LINE
FINISH GRADE
LOWER LATERAL LINE WITH SCHEDULE 40 PVC 45° ELLS
REMOTE CONTROL VALVE WITH FLOW CONTROL AND MANUAL BLEED
6"
SCHEDULE 80 PVC THREADED FITTINGS (AS REQUIRED)
12"
18"
SCHEDULE 80 PVC NIPPLES
BRICK – 1 EACH CORNER
PVC MAINLINE
SCHEDULE 80 PVC THREADED UNION (TWO TOTAL)
PEA GRAVEL – 4" DEEP BELOW VALVE (NO SOIL IN VALVE BOX)
UPC APPROVED SCHEDULE 80 PVC TEE

REMOTE CONTROL VALVE

SCALE: NTS

1 L320 L310

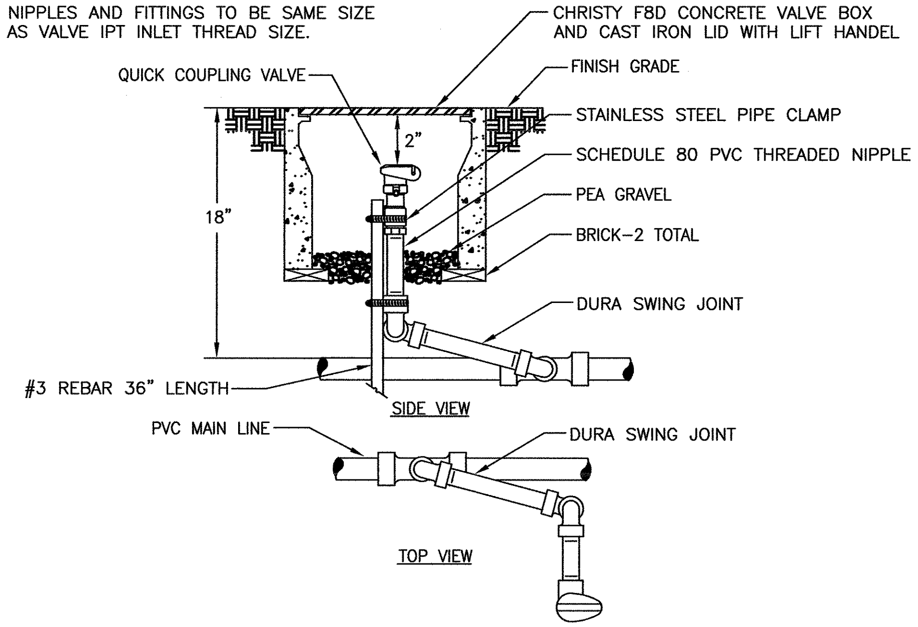

CHRISTY B12D VALVE BOX AND CAST IRON LID WITH LIFT HANDEL
FINISH GRADE
3"
PEA GRAVEL
18"
BRICK – 2 TOTAL
6" PVC PIPE
GATE VALVE
SCHEDULE 80 PVC THREADED NIPPLE (TWO TOTAL)
SCHEDULE 80 PVC THREADED UNION (TWO TOTAL)
PVC MAIN LINE
PVC MALE ADAPTER

GATE VALVE

SCALE: NTS

2 L320 L310

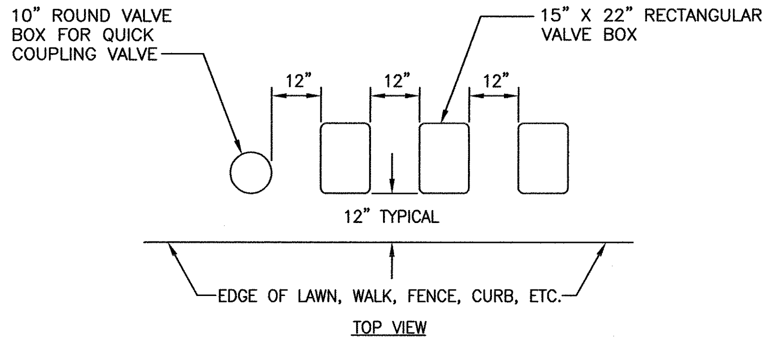
NOTE: NIPPLES AND FITTINGS TO BE SAME SIZE AS VALVE IPT INLET THREAD SIZE.



QUICK COUPLING VALVE

SCALE: NTS

3 L320 L310


10" ROUND VALVE BOX FOR QUICK COUPLING VALVE
15" X 22" RECTANGULAR VALVE BOX
12"
12"
12"
12" TYPICAL
EDGE OF LAWN, WALK, FENCE, CURB, ETC.
TOP VIEW

1. CENTER VALVE BOX OVER REMOTE CONTROL VALVE TO FACILITATE SERVICING VALVE.
2. SET BOXES 1" ABOVE FINISH GRADE OR MULCH COVER IN GROUND COVER/SHRUB AREA AND FINISH GRADE IN TURF AREA.
3. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE. INSTALL IN LAWN ONLY IF GROUND COVER DOES NOT EXIST ADJACENT TO LAWN.
4. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE OF LAWN, WALK, FENCE, CURB, ETC.
5. AVOID HEAVILY COMPACTING SOIL AROUND VALVE BOXES TO PREVENT COLLAPSE AND DEFORMATION OF VALVE BOX SIDES.
6. INSTALL EXTENSION BY VALVE BOX MANUFACTURER AS REQUIRED TO COMPLETELY ENCLOSE ASSEMBLY FOR EASY ACCESS.

VALVE BOX INSTALLATION

SCALE: NTS

4 L320 L310

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
MARTY DICKSON, ASIC–PIC
TEL(530) 547–5515 www.dicksoninc.net
P.O. BOX 415
PALO CEDRO, CALIFORNIA 96073
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COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
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BART DOWNTOWN BERKELEY
PLAZA IMPROVEMENT PROJECT

IRRIGATION DETAILS
SHEET 1 OF 3

CADD FILENAME: DB–L320–P.dwg
SIZE: D
SCALE: NONE
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CONTRACT SHEET NO.: L320
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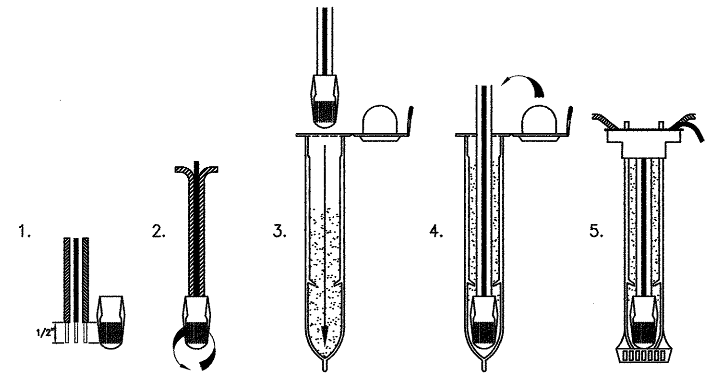
BART DOWNTOWN BERKLEY PLAZA/A/JOB/14–225/ DB–L301–L322 / L–320 /SYMBOL SIZE: NONE /12–07–2015 LMD



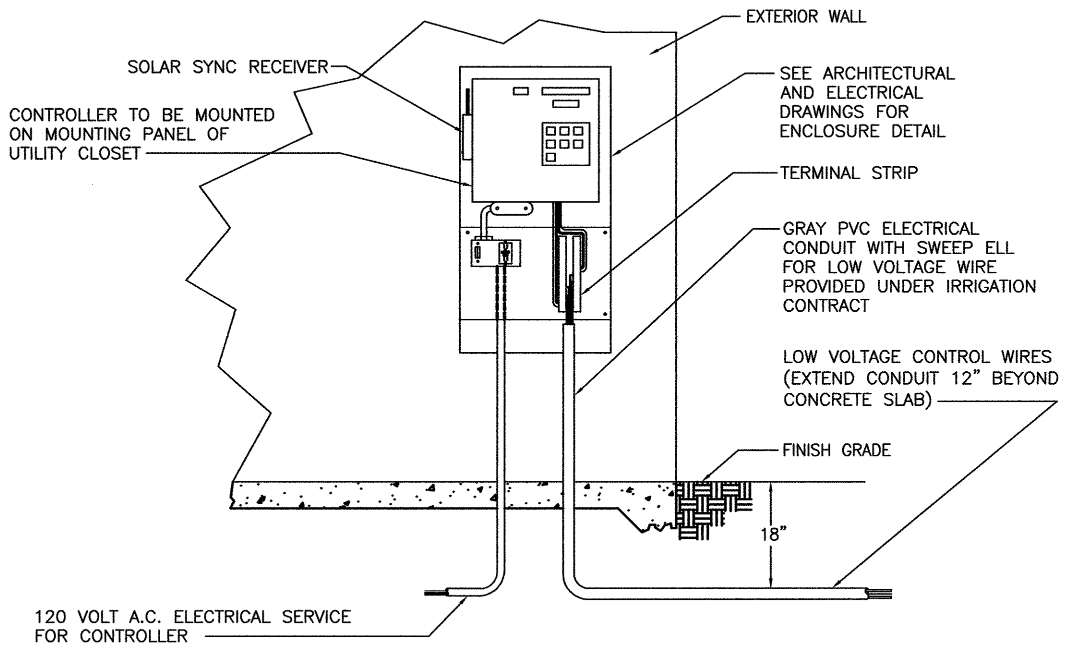
INSTRUCTIONS:

1. USE 3M-DBR/Y-6 WEATHER PROOF SPLICE.
2. STRIP WIRES APPROXIMATELY 1/2" (12.7 MM) TO EXPOSE WIRE.
3. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVERTIGHTEN.
4. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE.
5. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS.
6. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED.

WEATHERPROOF SPLICE ASSEMBLY

SCALE: NTS

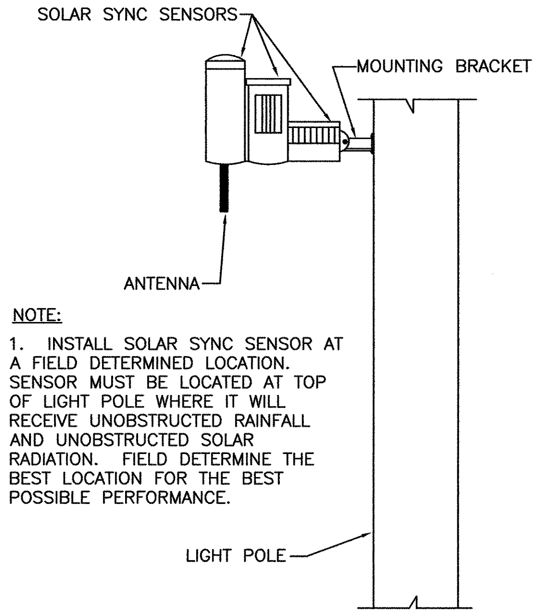
1 L321 L310


EXTERIOR WALL
SOLAR SYNC RECEIVER
CONTROLLER TO BE MOUNTED ON MOUNTING PANEL OF UTILITY CLOSET
SEE ARCHITECTURAL AND ELECTRICAL DRAWINGS FOR ENCLOSURE DETAIL
TERMINAL STRIP
GRAY PVC ELECTRICAL CONDUIT WITH SWEEP ELL FOR LOW VOLTAGE WIRE PROVIDED UNDER IRRIGATION CONTRACT
LOW VOLTAGE CONTROL WIRES (EXTEND CONDUIT 12" BEYOND CONCRETE SLAB)
FINISH GRADE
18"
120 VOLT A.C. ELECTRICAL SERVICE FOR CONTROLLER

WALL MOUNT CONTROLLER

SCALE: NTS

2 L321 L310



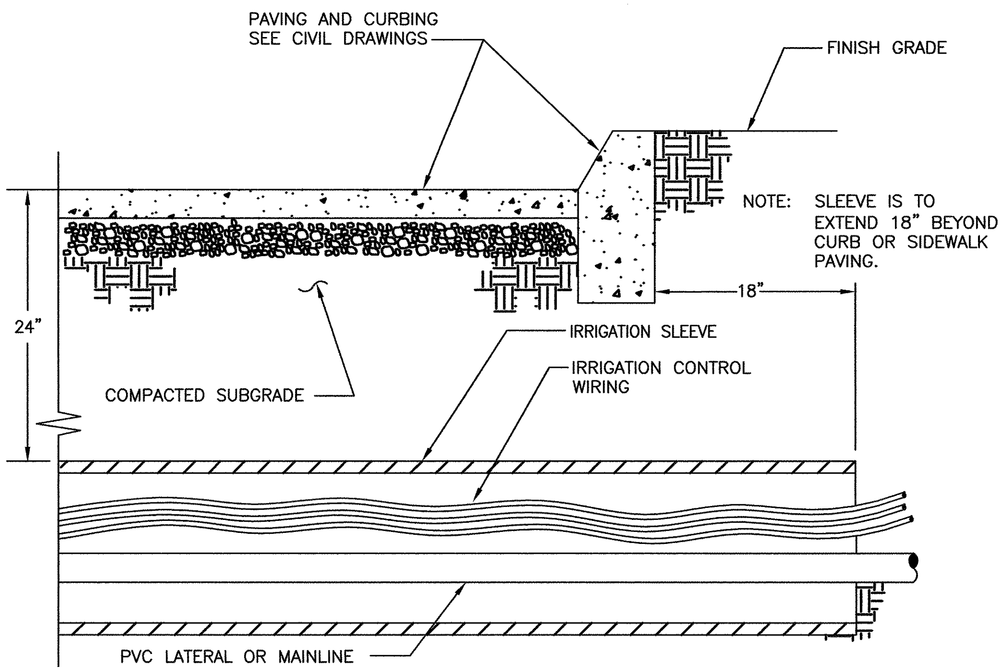
NOTE:

1. INSTALL SOLAR SYNC SENSOR AT A FIELD DETERMINED LOCATION. SENSOR MUST BE LOCATED AT TOP OF LIGHT POLE WHERE IT WILL RECEIVE UNOBSTRUCTED RAINFALL AND UNOBSTRUCTED SOLAR RADIATION. FIELD DETERMINE THE BEST LOCATION FOR THE BEST POSSIBLE PERFORMANCE.

WIRELESS SOLAR SYNC SENSOR

SCALE: NTS

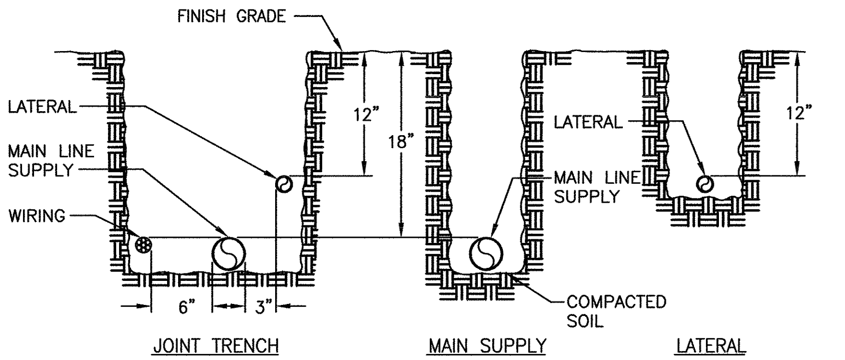
3 L321 L310


PAVING AND CURBING SEE CIVIL DRAWINGS
FINISH GRADE
NOTE: SLEEVE IS TO EXTEND 18" BEYOND CURB OR SIDEWALK PAVING.
18"
24"
IRRIGATION SLEEVE
IRRIGATION CONTROL WIRING
COMPACTED SUBGRADE
PVC LATERAL OR MAINLINE

SLEEVING INSTALLATION

SCALE: NTS

4 L321 L310



NOTES:

1. ALL PLASTIC PIPING SHALL BE INSTALLED IN THE TRENCH IN A SERPENTINE MANNER AS PER THE MANUFACTURER'S SPECIFICATIONS.
2. ALL SUPPLY LINES TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
3. TAPE AND BUNDLE TUBING OR WIRING AT 10 FEET INTERVALS.
4. ALL 120 VOLT WIRING IN CONDUIT TO BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE CODES.
5. BACKFILL MATERIAL SHALL BE THE EARTH EXCAVATED FROM THE TRENCHES, FREE FROM ROCKS, CONCRETE CHUNKS, AND OTHER FOREIGN OR COARSE MATERIALS. CAREFULLY SELECT BACKFILL THAT IS TO BE PLACED NEXT TO PLASTIC PIPE TO AVOID ANY SHARP OBJECTS WHICH MAY DAMAGE THE PIPE.

TRENCHING DETAIL

SCALE: NTS

5 L321 L310

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
MARTY DICKSON, ASIC-PIC
TEL(530) 547-5515 www.dicksoninc.net
P.O. BOX 415
PALO CEDRO, CALIFORNIA 96073
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REV.	DATE	BY	SUB	APP.	DESCRIPTION	REV.	DATE	BY	SUB	APP.	DESCRIPTION
P	20151015				ISSUED FOR BID						HALF SIZE

DESIGNED: M.DICKSON
DRAWN: L.DICKSON
CHECKED: M.DICKSON
APPROVED: M.DICKSON
DATE: 20151015

LICENSED ARCHITECT PHILIP A. ERICKSON NO. C-23060 REN. 8-31-17 STATE OF CALIFORNIA

SAN FRANCISCO BAY AREA RAPID TRANSIT DISTRICT

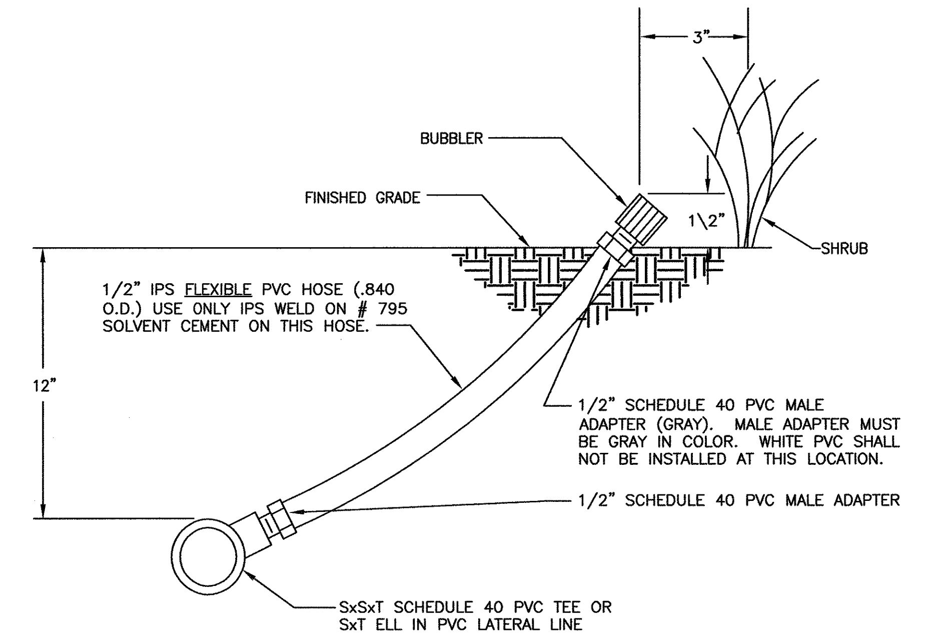
COMMUNITY DESIGN + ARCHITECTURE
COMMUNITY DESIGN + ARCHITECTURE 350 Frank Ogawa Plaza, 5th Flr Oakland, California 94612 Telephone 510.839.4568
Philip Erickson, AIA, Architect | Timothy Rood, AICP
SUBMITTED

FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

IRRIGATION DETAILS
SHEET 2 OF 3

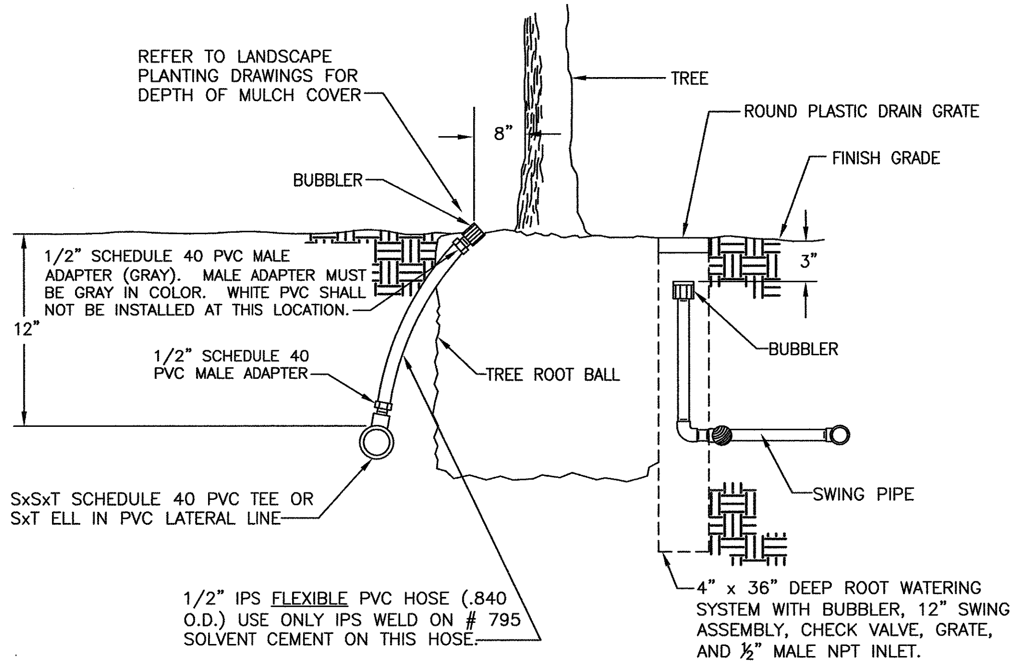
CADD FILENAME DB-L321-P.dwg
SIZE: D SCALE NONE
CONTRACT NO. 05EA-110 REV. P
CONTRACT SHEET NO. L321 PAGE NO. 190


3"
BUBBLER
FINISHED GRADE
1\2"
SHRUB
12"
1/2" IPS FLEXIBLE PVC HOSE (.840 O.D.) USE ONLY IPS WELD ON # 795 SOLVENT CEMENT ON THIS HOSE.
1/2" SCHEDULE 40 PVC MALE ADAPTER (GRAY). MALE ADAPTER MUST BE GRAY IN COLOR. WHITE PVC SHALL NOT BE INSTALLED AT THIS LOCATION.
1/2" SCHEDULE 40 PVC MALE ADAPTER
SxSxT SCHEDULE 40 PVC TEE OR SxT ELL IN PVC LATERAL LINE

SHRUB BUBBLER WITH FLEXIBLE RISER

SCALE: NTS

1 L322 L310


REFER TO LANDSCAPE PLANTING DRAWINGS FOR DEPTH OF MULCH COVER
TREE
8"
ROUND PLASTIC DRAIN GRATE
FINISH GRADE
BUBBLER
3"
1/2" SCHEDULE 40 PVC MALE ADAPTER (GRAY). MALE ADAPTER MUST BE GRAY IN COLOR. WHITE PVC SHALL NOT BE INSTALLED AT THIS LOCATION.
12"
1/2" SCHEDULE 40 PVC MALE ADAPTER
TREE ROOT BALL
BUBBLER
SWING PIPE
SxSxT SCHEDULE 40 PVC TEE OR SxT ELL IN PVC LATERAL LINE
1/2" IPS FLEXIBLE PVC HOSE (.840 O.D.) USE ONLY IPS WELD ON # 795 SOLVENT CEMENT ON THIS HOSE.
4" x 36" DEEP ROOT WATERING SYSTEM WITH BUBBLER, 12" SWING ASSEMBLY, CHECK VALVE, GRATE, AND ½" MALE NPT INLET.

TREE BUBBLER

SCALE: NTS

2 L322 L310

IRRIGATION WATERING SCHEDULES

BUBBLER IRRIGATION FOR LOW WATER–USE SHRUB/GROUNDCOVER AREAS			
SPRINKLER MANUFACTURER	RAIN BIRD	LOCATION:	BERKELEY, CALIFORNIA
PRECIPITATION RATE (INCHES/HOUR):	4.85	HEAD SPACING:	VARIES
IRRIGATION SYSTEM EFFICIENCY	0.85	HEAD GPM:	0.25 GPM
PLANT FACTOR:	0.30		
YEAR 2 REDUCTION AMOUNT:	–10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES		

MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.50	1.50	2.80	3.90	5.10	5.30	6.00	5.50	4.80	3.10	1.40	0.90	41.80
ETO PER WEEK (INCHES):		0.346	0.346	0.647	0.901	1.178	1.224	1.386	1.270	1.109	0.716	0.323	0.208	
APPLIED ETO PER WEEK (INCHES):		0.122	0.122	0.228	0.318	0.416	0.432	0.489	0.448	0.391	0.253	0.114	0.073	
MINUTES OF WATER PER WEEK:	YEAR 1	2	2	3	4	5	5	6	6	5	3	1	1	
	YEAR 2	1	1	3	4	5	5	5	5	4	3	1	1	
DAYS PER WEEK:	YEAR 1	1	1	1	2	2	2	2	2	2	1	1	1	
	YEAR 2	1	1	1	2	2	2	2	2	2	1	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	2	2	3	2	3	3	3	3	2	3	1	1	
	YEAR 2	1	1	3	2	2	2	3	2	2	3	1	1	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	2	2	3	2	3	3	3	3	2	3	1	1	
	YEAR 2	1	1	3	2	2	2	3	2	2	3	1	1	

BUBBLER IRRIGATION FOR MODERATE WATER–USE TREES			
SPRINKLER MANUFACTURER	RAIN BIRD	LOCATION:	BERKELEY, CALIFORNIA
PRECIPITATION RATE (INCHES/HOUR):	1.50	HEAD SPACING:	VARIES
IRRIGATION SYSTEM EFFICIENCY	0.85	HEAD GPM:	2 X .25
PLANT FACTOR:	0.50		
YEAR 2 REDUCTION AMOUNT:	–10% OF YEAR 1 (ESTABLISHMENT) RUN TIME MINUTES		

MONTH:		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ETO PER MONTH (INCHES):		1.50	1.50	2.80	3.90	5.10	5.30	6.00	5.50	4.80	3.10	1.40	0.90	41.80
ETO PER WEEK (INCHES):		0.346	0.346	0.647	0.901	1.178	1.224	1.386	1.270	1.109	0.716	0.323	0.208	
APPLIED ETO PER WEEK (INCHES):		0.204	0.204	0.380	0.530	0.693	0.720	0.815	0.747	0.652	0.421	0.190	0.122	
MINUTES OF WATER PER WEEK:	YEAR 1	8	8	15	21	28	29	33	30	26	17	8	5	
	YEAR 2	7	7	14	19	25	26	29	27	23	15	7	4	
DAYS PER WEEK:	YEAR 1	1	1	1	2	2	2	2	2	2	1	1	1	
	YEAR 2	1	1	1	2	2	2	2	2	2	1	1	1	
MINUTES OF WATER PER DAY:	YEAR 1	8	8	15	11	14	14	16	15	13	17	8	5	
	YEAR 2	7	7	14	10	12	13	15	13	12	15	7	4	
CYCLES PER DAY:	YEAR 1	1	1	1	1	1	1	1	1	1	1	1	1	
	YEAR 2	1	1	1	1	1	1	1	1	1	1	1	1	
MINUTES PER CYCLE:	YEAR 1	8	8	15	11	14	14	16	15	13	17	8	5	
	YEAR 2	7	7	14	10	12	13	15	13	12	15	7	4	

NOTES:

THE CHARTS ARE INTENDED TO BE USED AS A GUIDELINE ONLY AND INDICATE APPROXIMATE RUN TIMES (IN MINUTES) FOR EACH ZONE BASED ON ESTIMATED WEEKLY WATER REQUIREMENTS FOR ESTABLISHED PLANT MATERIAL. THE FIGURES SHOWN IN THIS SCHEDULE ARE APPROXIMATE AND HAVE BEEN DEVELOPED FROM LOCAL CURRENT AVERAGES FOR EVAPOTRANSPIRATION, AND REFLECT MAXIMUM IRRIGATION REQUIREMENTS OF THE PLANT MATERIAL BASED ON PLANT TYPE AND SPACING. ACTUAL RUN TIMES MAY BE DIFFERENT DEPENDING ON A VARIETY OF FACTORS INCLUDING TOPOGRAPHY, SOIL STRUCTURE, SUN AND WIND EXPOSURE, WEATHER, ACTUAL PLANT WATER REQUIREMENTS, ETC.

DICKSON & ASSOCIATES, INC.
LANDSCAPE IRRIGATION
MARTY DICKSON, ASIC–PIC
TEL(530) 547–5515 www.dicksoninc.net
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FMG ARCHITECTS
APPROVED

BART DOWNTOWN BERKELEY PLAZA IMPROVEMENT PROJECT

IRRIGATION DETAILS
SHEET 3 OF 3
AND IRRIGATION WATERING SCHEDULES

CADD FILENAME DB–L322–P.dwg
SIZE: D
SCALE NONE
CONTRACT NO. 05EA-110
REV. P
CONTRACT SHEET NO. L322
PAGE NO. 191

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